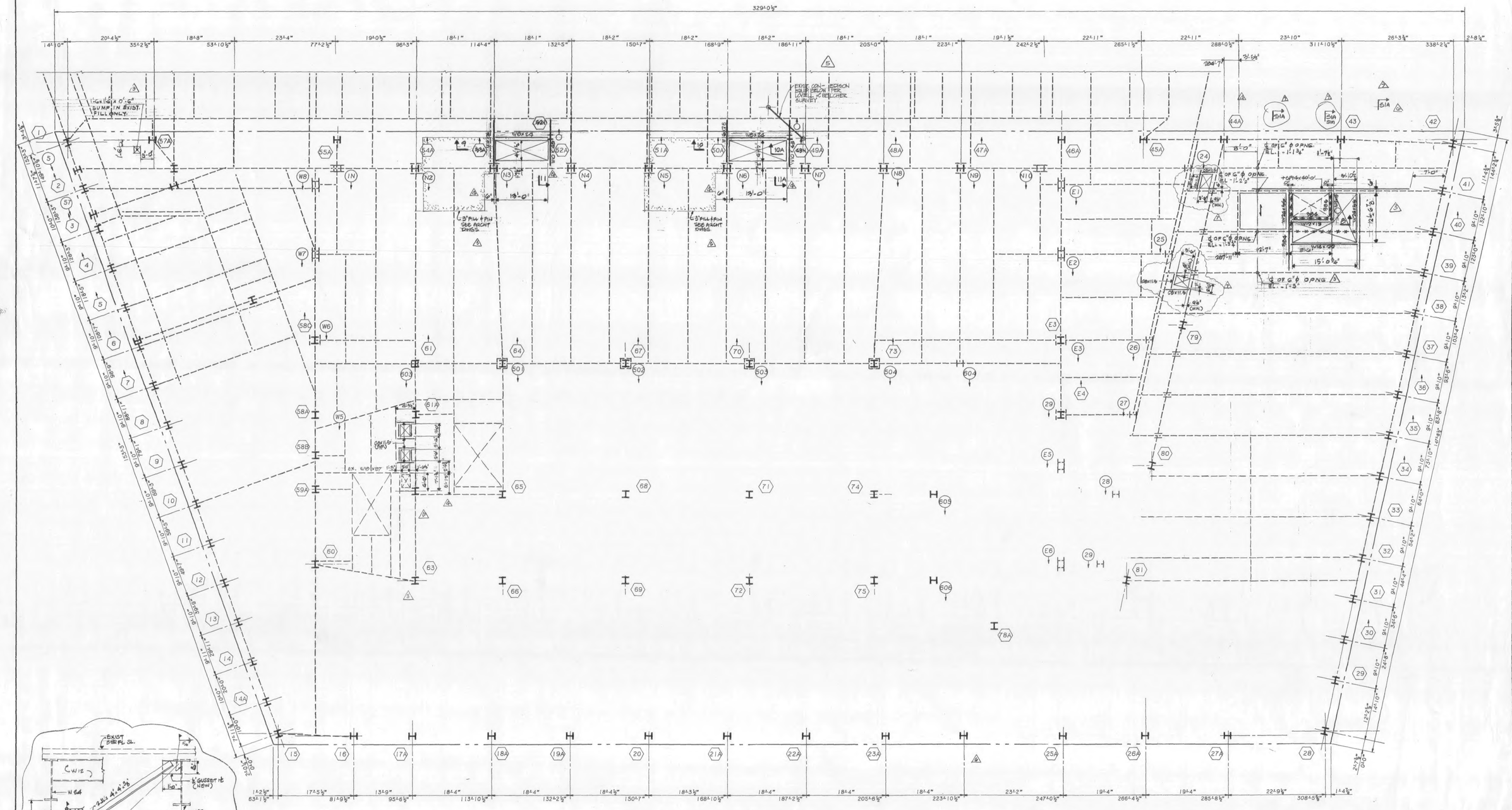
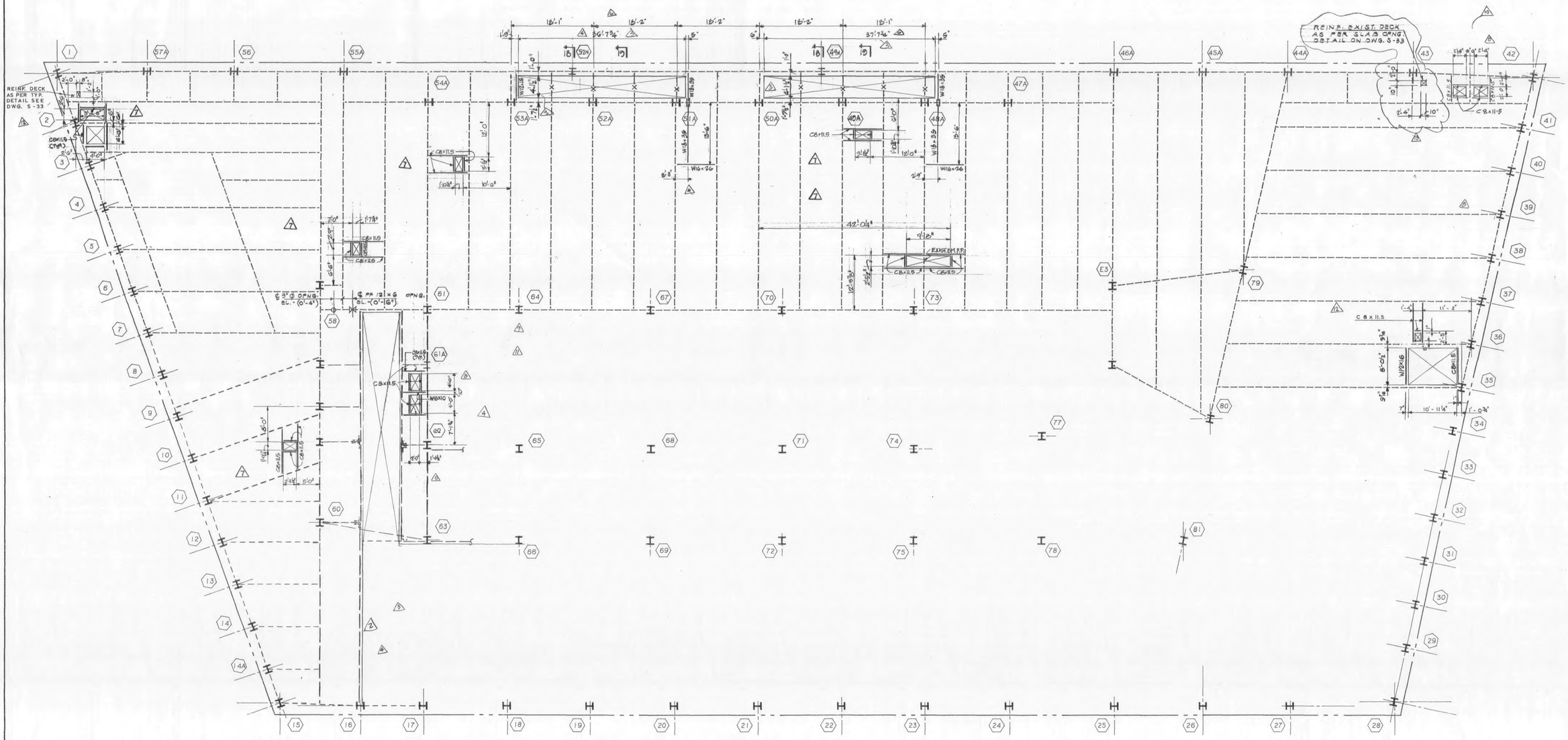

329'-0½"
EXIST CON-EDISON DUCT BELOW PER LOVELL & BELCHER SURVEY
1'-6"x16"x 0'-6" BUMP IN EXIST. FILL ONLY.
W8x28
W12x19
W12x16
W12x65
W12x58
W12x40
W8x24
W8x31
W8x67
W8x48
W8x35
W8x10
W8x21
W12x53
W12x45
W12x30
W12x26
W12x14
W12x22
W12x87
W12x72
W12x50
W12x136
W12x120
W12x106
W12x96
W12x79



4TH FL. FRAMING PLAN

NOTES:

1. TOP OF NEW STEEL SHALL BE 5¼" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. —X— INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. - - - - - INDICATES EXISTING STEEL FRAMING.
7. INDICATES EXISTING SLAB OPENING.
8. INDICATES NEW SLAB OPENING.
9. (..N) INDICATES NEW POST OR COLUMN.
10. —⊠— INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS ±----- FROM TOP OF STEEL BEAM
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.

4

STATE OF NEW YORK IRWIN G. CANTOR JR. LICENSED PROFESSIONAL ENGINEER

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

BARCLAY STREET
LIBERTY STREET
WEST BROADWAY
VESEY STREET
KEY PLAN

NOTES

LEGEND

No.	Date	Revision
15	8-17-90	ISSUED FOR BULLETIN #116
12	6-7-90	ISSUED AS BULLETIN No 96
11	2/12/90	ISSUED FOR BULLETIN NO. 58
10	11/20/89	ISSUED FOR BULLETIN NO 48
9	10/9/89	REVISED AS CIRCLED
8	9/19/89	REVISED AS CIRCLED
7	8/10/89	ISSUED FOR FIELD SKETCH
6	7/21/89	REVISED AS CIRCLED
5	6/12/89	REVISED AS CIRCLED
4	4/6/89	REVISED AS CIRCLED
3	11/6/89	REVISED AS CIRCLED
2	11/3/89	ISSUED FOR CONST.
1	12/19/88	ISSUED FOR PRELIMINARY CONSTRUCTION PRICING.

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

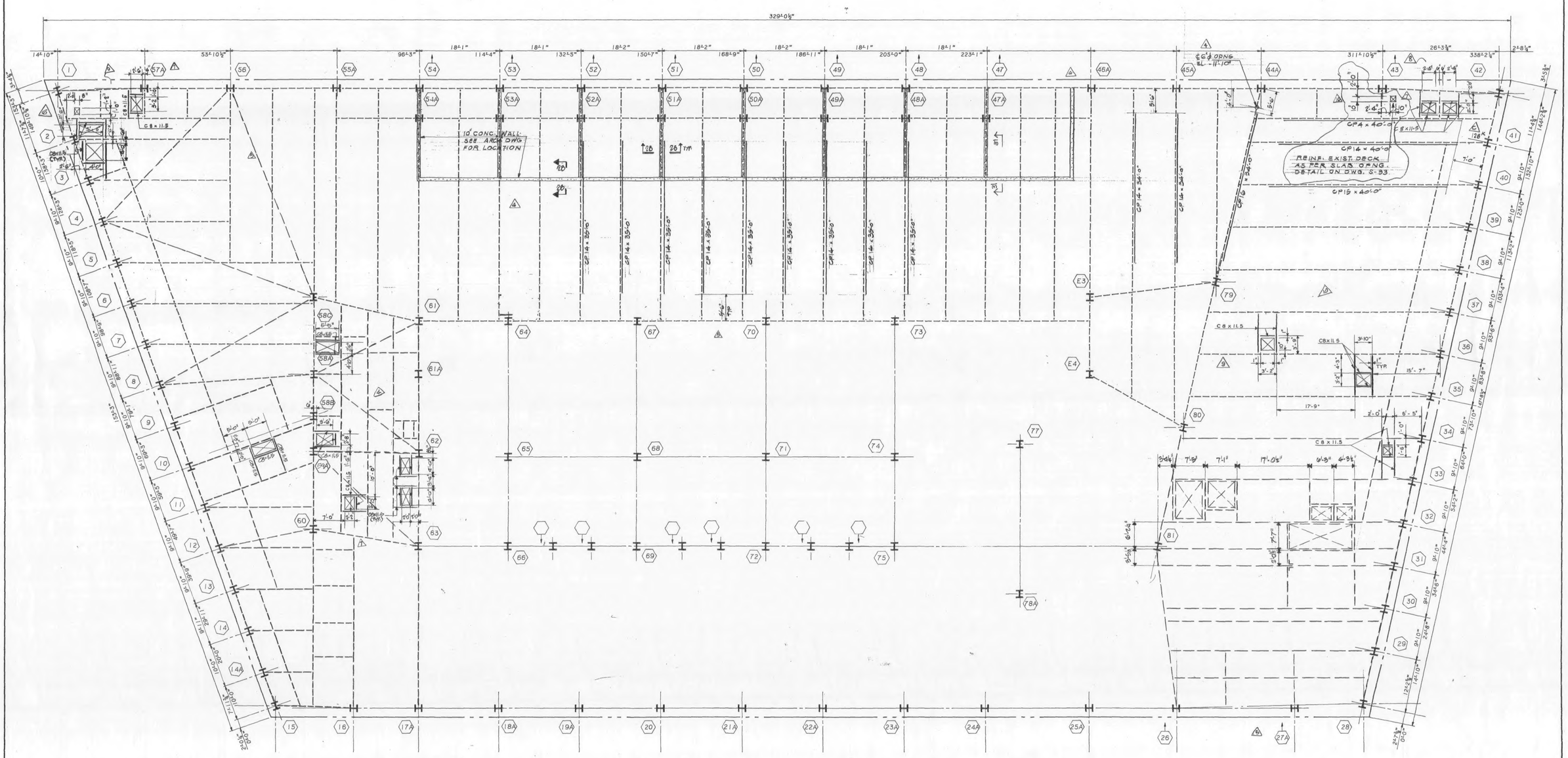
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEINUK GROUP

4TH FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill 1988

Project No:
Date:
Scale:
Sheet No. S-2

88057



5TH FLOOR FRAMING PLAN

NOTES:

1. TOP OF NEW STEEL SHALL BE 14" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±---) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

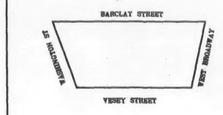
LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. INDICATES NEW STEEL FRAMING.
6. INDICATES EXISTING STEEL FRAMING.
7. INDICATES EXISTING SLAB OPENING.
8. INDICATES NEW SLAB OPENING.
9. (..N) INDICATES NEW POST OR COLUMN.
10. INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N.
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.
12. △ INDICATES TYPE OF EXISTING CONNECTION REINF. DETAIL, SEE DETAIL ON DWG. S-33

STATE OF NEW YORK IRWIN G. CANTOR P.E. LICENSED PROFESSIONAL ENGINEER

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
10	8-17-90	ISSUED FOR BULLETIN #116
9	6-7-90	ISSUED FOR BULLETIN NO. 96
8	1/19/90	ISSUED FOR BULLETIN NO. 46
7	8/8/89	REVISED AS CIRCLED
6	6/10/89	ISSUED FOR FIELD SKETCH
5	5/22/89	REVISED AS CIRCLED
4	4-6-89	REVISED AS CIRCLED
3	3-1-89	ISSUED TO CONSTRUCTION FOR APPROVAL
2	1/24/89	REVISED AS CIRCLED
1	11/3/88	ISSUED FOR COMMENT
.1	12/22/88	REVISED AS CIRCLED
.1	11/10/88	[illegible]

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

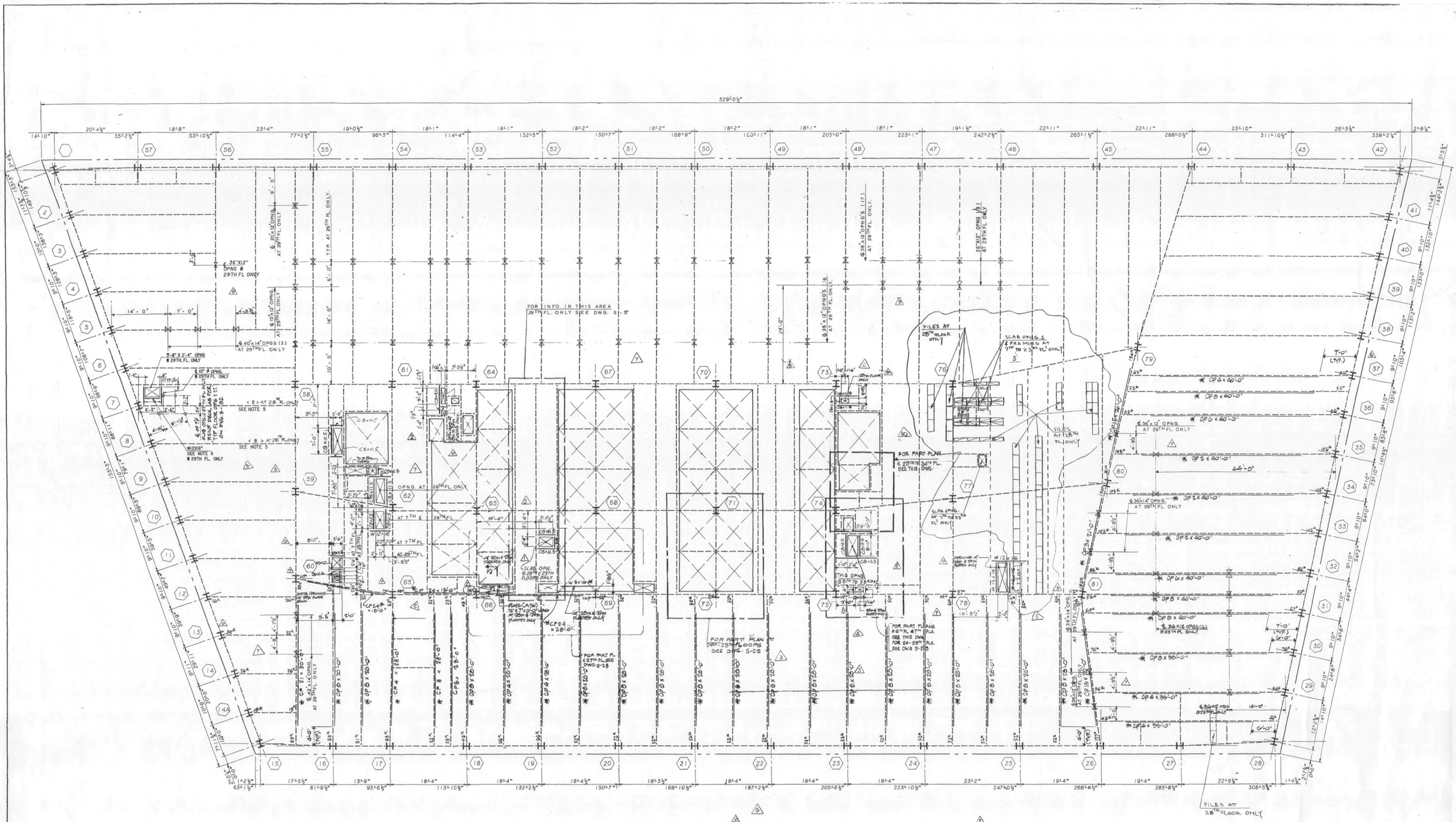
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

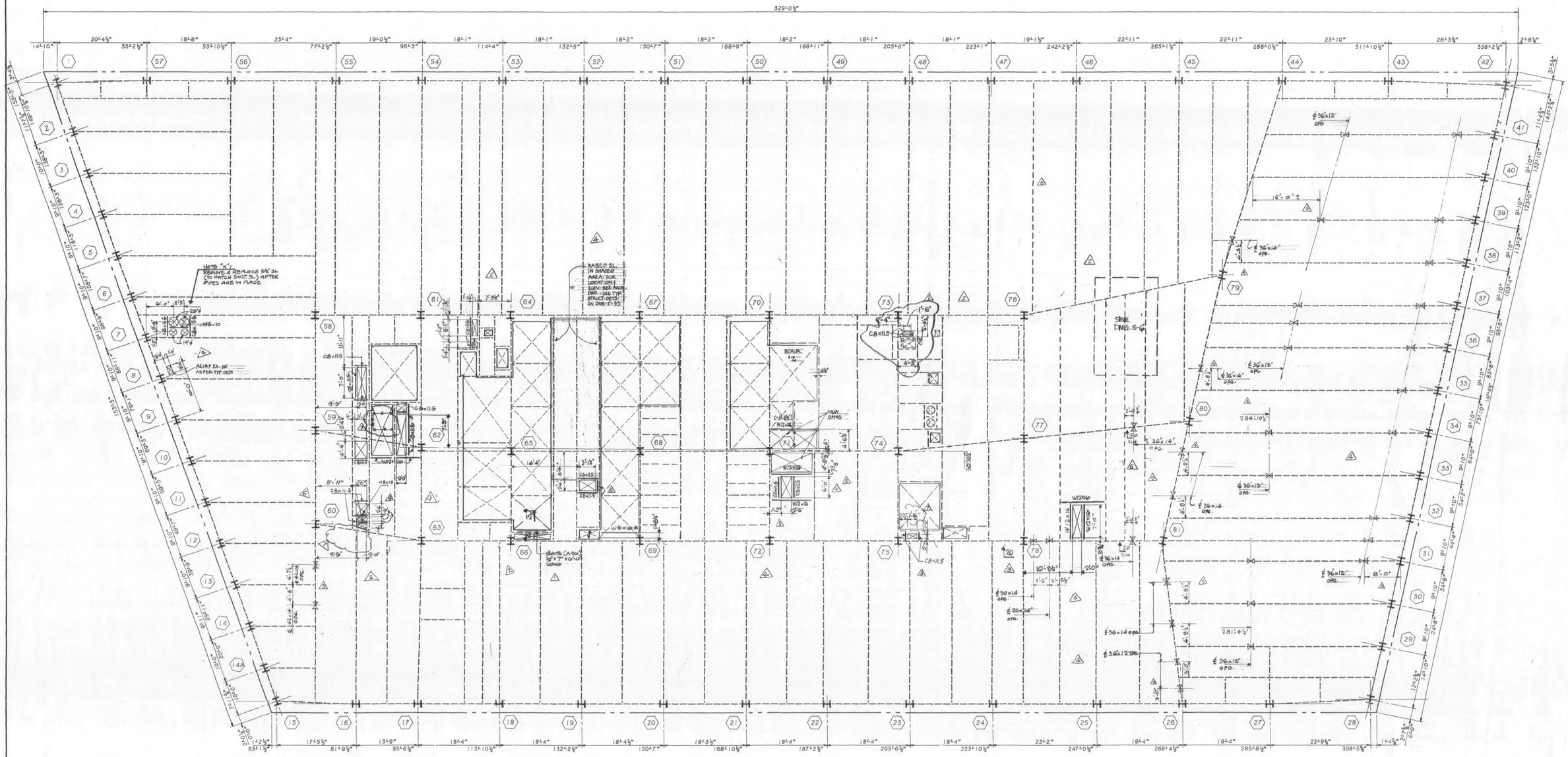
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEINUK GROUP

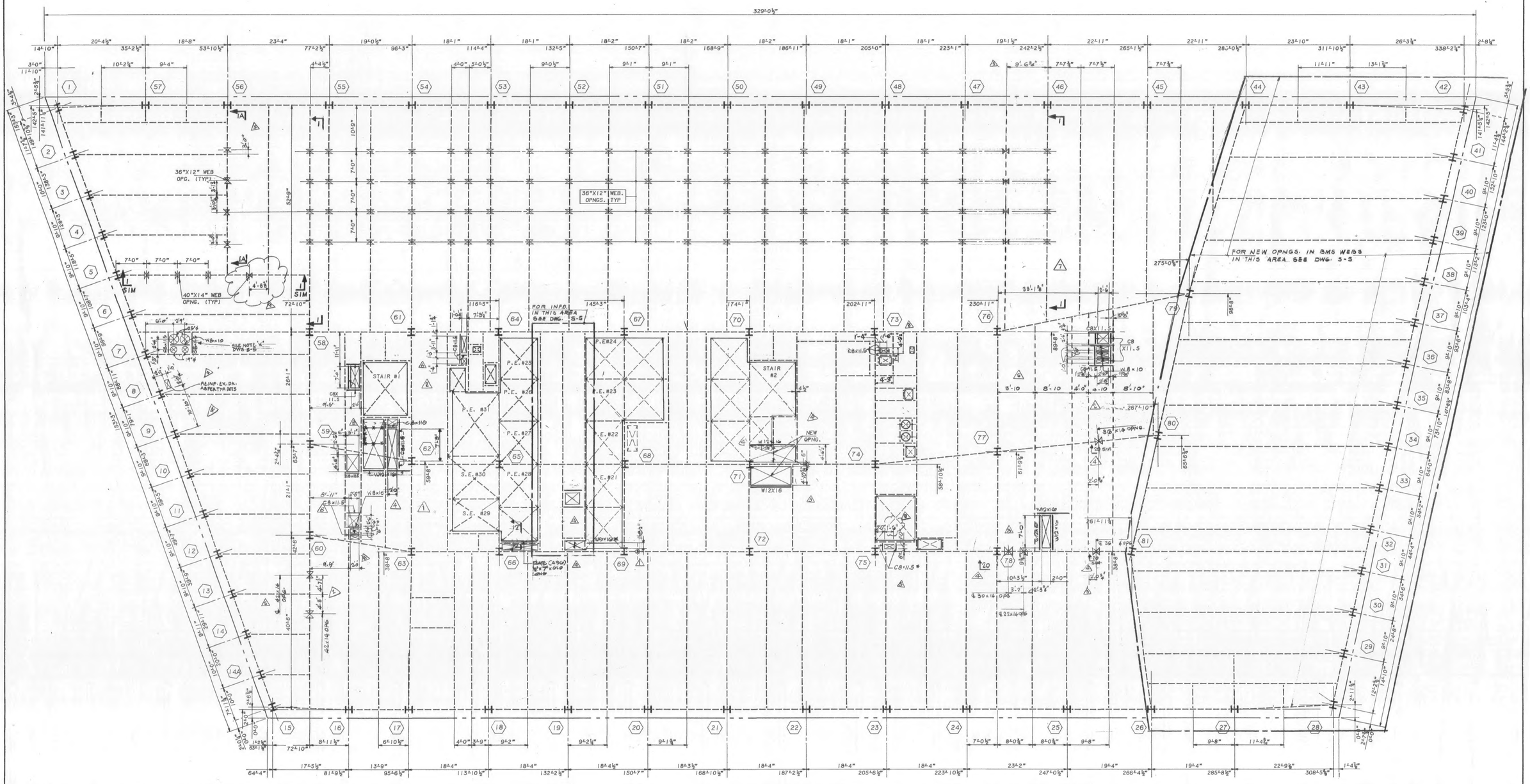
5TH FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill 1988

Project No.:
Sheet No.: S-3
Date:
Scale:


FOR INFO. IN THIS AREA 29TH FL. ONLY SEE DWG. S-5
SEE NOTE 5
SEE NOTE 6
SEE NOTE 6
SEE NOTE 6
SEE NOTE 6
FOR PART PLAN @ 29TH & 29TH FLS. SEE THIS DWG.
FOR PART PLAN AT 28TH FL. SEE DWG. S-25
FOR PART PLANS @ 6TH FL. & 7TH FL. SEE THIS DWG. FOR 24-28TH FLS. SEE DWG S-25
FILES AT 28TH FLOOR ONLY
FILES AT 28TH FLOOR ONLY
SLAB OPNG. @ 28TH & 29TH FLOORS ONLY
SLAB OPNG. AT 7TH TO 23RD FL. ONLY
SLAB OPNGS & FRAMING AT 7TH TO 23RD FL. ONLY
OPENING AT 28TH & 29TH FLOORS ONLY
OPNG. AT 29TH FL. ONLY
TYP. AT 29TH FL. ONLY
AT 7TH & 29TH FL.
AT 29TH FL.
AT 7TH FL.
AT 29TH FL.
AT 29TH FL. ONLY
AT 29TH FL. ONLY
AT 29TH FL. ONLY


329'-0½"
NOTE "C" REMOVE & REPLACE 5K# SL (TO MATCH EXIST. SL) AFTER PIPES ARE IN PLACE
RAISED SL IN SHADED AREA: FOR LOCATION & ELEV. SEE ARCH. DWG. SEE TYP. STRUCT. DETS ON DWG S-52
STAIR
SEE DWG. S-4
CB×11.5
W8×10
W12×16
W12×26
W8×18
W30×108
W24×76
W30×90
W24×62
W30×116
W12×19
W12×16
W30×99
W30×148
W30×132
W30×124
W30×211
W30×173
W30×191
W30×235
W30×261
W30×292
W30×326
W30×357
W30×391
W30×426
W30×477
W30×526
W30×581
W30×652
W30×720
W30×765
W30×829
W30×891
W30×961
W30×1041
W30×1139
W30×1235
W30×1322
W30×1426
W30×1538
W30×1666
W30×1799
W30×1946
W30×2099
W30×2256
W30×2430
W30×2611
W30×2813
W30×3020
W30×3235
W30×3460
W30×3695
W30×3940
W30×4190
W30×4450
W30×4730
W30×5020
W30×5320
W30×5630
W30×5960
W30×6300
W30×6650
W30×7010
W30×7390
W30×7780
W30×8190
W30×8610
W30×9050
W30×9510
W30×9990
W30×10490
W30×11010
W30×11550
W30×12110
W30×12690
W30×13290
W30×13910
W30×14550
W30×15210
W30×15890
W30×16590
W30×17310
W30×18050
W30×18810
W30×19590
W30×20390
W30×21210
W30×22050
W30×22910
W30×23790
W30×24690
W30×25610
W30×26550
W30×27510
W30×28490
W30×29490
W30×30510
W30×31550
W30×32610
W30×33690
W30×34790
W30×35910
W30×37050
W30×38210
W30×39390
W30×40590
W30×41810
W30×43050
W30×44310
W30×45590
W30×46890
W30×48210
W30×49550
W30×50910
W30×52290
W30×53690
W30×55110
W30×56550
W30×58010
W30×59490
W30×60990
W30×62510
W30×64050
W30×65610
W30×67190
W30×68790
W30×70410
W30×72050
W30×73710
W30×75390
W30×77090
W30×78810
W30×80550
W30×82310
W30×84090
W30×85890
W30×87710
W30×89550
W30×91410
W30×93290
W30×95190
W30×97110
W30×99050
W30×101010
W30×102990
W30×104990
W30×107010
W30×109050
W30×111110
W30×113190
W30×115290
W30×117410
W30×119550
W30×121710
W30×123890
W30×126090
W30×128310
W30×130550
W30×132810
W30×135090
W30×137390
W30×139710
W30×142050
W30×144410
W30×146790
W30×149190
W30×151610
W30×154050
W30×156510
W30×158990
W30×161490
W30×164010
W30×166550
W30×169110
W30×171690
W30×174290
W30×176910
W30×179550
W30×182210
W30×184890
W30×187590
W30×190310
W30×193050
W30×195810
W30×198590
W30×201390
W30×204210
W30×207050
W30×209910
W30×212790
W30×215690
W30×218610
W30×221550
W30×224510
W30×227490
W30×230490
W30×233510
W30×236550
W30×239610
W30×242690
W30×245790
W30×248910
W30×252050
W30×255210
W30×258390
W30×261590
W30×264810
W30×268050
W30×271310
W30×274590
W30×277890
W30×281210
W30×284550
W30×287910
W30×291290
W30×294690
W30×298110
W30×301550
W30×305010
W30×308490
W30×311990
W30×315510
W30×319050
W30×322610
W30×326190
W30×329790
W30×333410
W30×337050
W30×340710
W30×344390
W30×348090
W30×351810
W30×355550
W30×359310
W30×363090
W30×366890
W30×370710
W30×374550
W30×378410
W30×382290
W30×386190
W30×390110
W30×394050
W30×398010
W30×401990
W30×405990
W30×410010
W30×414050
W30×418110
W30×422190
W30×426290
W30×430410
W30×434550
W30×438710
W30×442890
W30×447090
W30×451310
W30×455550
W30×459810
W30×464090
W30×468390
W30×472710
W30×477050
W30×481410
W30×485790
W30×490190
W30×494610
W30×499050
W30×503510
W30×507990
W30×512490
W30×517010
W30×521550
W30×526110
W30×530690
W30×535290
W30×539910
W30×544550
W30×549210
W30×553890
W30×558590
W30×563310
W30×568050
W30×572810
W30×577590
W30×582390
W30×587210
W30×592050
W30×596910
W30×601790
W30×606690
W30×611610
W30×616550
W30×621510
W30×626490
W30×631490
W30×636510
W30×641550
W30×646610
W30×651690
W30×656790
W30×661910
W30×667050
W30×672210
W30×677390
W30×682590
W30×687810
W30×693050
W30×698310
W30×703590
W30×708890
W30×714210
W30×719550
W30×724910
W30×730290
W30×735690
W30×741110
W30×746550
W30×752010
W30×757490
W30×762990
W30×768510
W30×774050
W30×779610
W30×785190
W30×790790
W30×796410
W30×802050
W30×807710
W30×813390
W30×819090
W30×824810
W30×830550
W30×836310
W30×842090
W30×847890
W30×853710
W30×859550
W30×865410
W30×871290
W30×877190
W30×883110
W30×889050
W30×895010
W30×900990
W30×906990
W30×913010
W30×919050
W30×925110
W30×931190
W30×937290
W30×943410
W30×949550
W30×955710
W30×961890
W30×968090
W30×974310
W30×980550
W30×986810
W30×993090
W30×999390
W30×1005710
W30×1012050
W30×1018410
W30×1024790
W30×1031190
W30×1037610
W30×1044050
W30×1050510
W30×1056990
W30×1063490
W30×1070010
W30×1076550
W30×1083110
W30×1089690
W30×1096290
W30×1102910
W30×1109550
W30×1116210
W30×1122890
W30×1129590
W30×1136310
W30×1143050
W30×1149810
W30×1156590
W30×1163390
W30×1170210
W30×1177050
W30×1183910
W30×1190790
W30×1197690
W30×1204610
W30×1211550
W30×1218510
W30×1225490
W30×1232490
W30×1239510
W30×1246550
W30×1253610
W30×1260690
W30×1267790
W30×1274910
W30×1282050
W30×1289210
W30×1296390
W30×1303590
W30×1310810
W30×1318050
W30×1325310
W30×1332590
W30×1339890
W30×1347210
W30×1354550
W30×1361910
W30×1369290
W30×1376690
W30×1384110
W30×1391550
W30×1399010
W30×1406490
W30×1413990
W30×1421510
W30×1429050
W30×1436610
W30×1444190
W30×1451790
W30×1459410
W30×1467050
W30×1474710
W30×1482390
W30×1490090
W30×1497810
W30×1505550
W30×1513310
W30×1521090
W30×1528890
W30×1536710
W30×1544550
W30×1552410
W30×1560290
W30×1568190
W30×1576110
W30×1584050
W30×1592010
W30×1599990
W30×1607990
W30×1616010
W30×1624050
W30×1632110
W30×1640190
W30×1648290
W30×1656410
W30×1664550
W30×1672710
W30×1680890
W30×1689090
W30×1697310
W30×1705550
W30×1713810
W30×1722090
W30×1730390
W30×1738710
W30×1747050
W30×1755410
W30×1763790
W30×1772190
W30×1780610
W30×1789050
W30×1797510
W30×1805990
W30×1814490
W30×1823010
W30×1831550
W30×1840110
W30×1848690
W30×1857290
W30×1865910
W30×1874550
W30×1883210
W30×1891890
W30×1900590
W30×1909310
W30×1918050
W30×1926810
W30×1935590
W30×1944390
W30×1953210
W30×1962050
W30×1970910
W30×1979790
W30×1988690
W30×1997610
W30×2006550
W30×2015510
W30×2024490
W30×2033490
W30×2042510
W30×2051550
W30×2060610
W30×2069690
W30×2078790
W30×2087910
W30×2097050
W30×2106210
W30×2115390
W30×2124590
W30×2133810
W30×2143050
W30×2152310
W30×2161590
W30×2170890
W30×2180210
W30×2189550
W30×2198910
W30×2208290
W30×2217690
W30×2227110
W30×2236550
W30×2246010
W30×2255490
W30×2264990
W30×2274510
W30×2284050
W30×2293610
W30×2303190
W30×2312790
W30×2322410
W30×2332050
W30×2341710
W30×2351390
W30×2361090
W30×2370810
W30×2380550
W30×2390310
W30×2400090
W30×2409890
W30×2419710
W30×2429550
W30×2439410
W30×2449290
W30×2459190
W30×2469110
W30×2479050
W30×2489010
W30×2498990
W30×2508990
W30×2519010
W30×2529050
W30×2539110
W30×2549190
W30×2559290
W30×2569410
W30×2579550
W30×2589710
W30×2599890
W30×2610090
W30×2620310
W30×2630550
W30×2640810
W30×2651090
W30×2661390
W30×2671710
W30×2682050
W30×2692410
W30×2702790
W30×2713190
W30×2723610
W30×2734050
W30×2744510
W30×2754990
W30×2765490
W30×2776010
W30×2786550
W30×2797110
W30×2807690
W30×2818290
W30×2828910
W30×2839550
W30×2850210
W30×2860890
W30×2871590
W30×2882310
W30×2893050
W30×2903810
W30×2914590
W30×2925390
W30×2936210
W30×2947050
W30×2957910
W30×2968790
W30×2979690
W30×2990610
W30×3001550
W30×3012510
W30×3023490
W30×3034490
W30×3045510
W30×3056550
W30×3067610
W30×3078690
W30×3089790
W30×3100910
W30×3112050
W30×3123210
W30×3134390
W30×3145590
W30×3156810
W30×3168050
W30×3179310
W30×3190590
W30×3201890
W30×3213210
W30×3224550
W30×3235910
W30×3247290
W30×3258690
W30×3270110
W30×3281550
W30×3293010
W30×3304490
W30×3315990
W30×3327510
W30×3339050
W30×3350610
W30×3362190
W30×3373790
W30×3385410
W30×3397050
W30×3408710
W30×3420390
W30×3432090
W30×3443810
W30×3455550
W30×3467310
W30×3479090
W30×3490890
W30×3502710
W30×3514550
W30×3526410
W30×3538290
W30×3550190
W30×3562110
W30×3574050
W30×3586010
W30×3597990
W30×3609990
W30×3622010
W30×3634050
W30×3646110
W30×3658190
W30×3670290
W30×3682410
W30×3694550
W30×3706710
W30×3718890
W30×3731090
W30×3743310
W30×3755550
W30×3767810
W30×3780090
W30×3792390
W30×3804710
W30×3817050
W30×3829410
W30×3841790
W30×3854190
W30×3866610
W30×3879050
W30×3891510
W30×3903990
W30×3916490
W30×3929010
W30×3941550
W30×3954110
W30×3966690
W30×3979290
W30×3991910
W30×4004550
W30×4017210
W30×4029890
W30×4042590
W30×4055310
W30×4068050
W30×4080810
W30×4093590
W30×4106390
W30×4119210
W30×4132050
W30×4144910
W30×4157790
W30×4170690
W30×4183610
W30×4196550
W30×4209510
W30×4222490
W30×4235490
W30×4248510
W30×4261550
W30×4274610
W30×4287690
W30×4300790
W30×4313910
W30×4327050
W30×4340210
W30×4353390
W30×4366590
W30×4379810
W30×4393050
W30×4406310
W30×4419590
W30×4432890
W30×4446210
W30×4459550
W30×4472910
W30×4486290
W30×4499690
W30×4513110
W30×4526550
W30×4540010
W30×4553490
W30×4566990
W30×4580510
W30×4594050
W30×4607610
W30×4621190
W30×4634790
W30×4648410
W30×4662050
W30×4675710
W30×4689390
W30×4703090
W30×4716810
W30×4730550
W30×4744310
W30×4758090
W30×4771890
W30×4785710
W30×4799550
W30×4813410
W30×4827290
W30×4841190
W30×4855110
W30×4869050
W30×4883010
W30×4896990
W30×4910990
W30×4925010
W30×4939050
W30×4953110
W30×4967190
W30×4981290
W30×4995410
W30×5009550
W30×5023710
W30×5037890
W30×5052090
W30×5066310
W30×5080550
W30×5094810
W30×5109090
W30×5123390
W30×5137710
W30×5152050
W30×5166410
W30×5180790
W30×5195190
W30×5209610
W30×5224050
W30×5238510
W30×5252990
W30×5267490
W30×5282010
W30×5296550
W30×5311110
W30×5325690
W30×5340290
W30×5354910
W30×5369550
W30×5384210
W30×5398890
W30×5413590
W30×5428310
W30×5443050
W30×5457810
W30×5472590
W30×5487390
W30×5502210
W30×5517050
W30×5531910
W30×5546790
W30×5561690
W30×5576610
W30×5591550
W30×5606510
W30×5621490
W30×5636490
W30×5651510
W30×5666550
W30×5681610
W30×5696690
W30×5711790
W30×5726910
W30×5742050
W30×5757210
W30×5772390
W30×5787590
W30×5802810
W30×5818050
W30×5833310
W30×5848590
W30×5863890
W30×5879210
W30×5894550
W30×5909910
W30×5925290
W30×5940690
W30×5956110
W30×5971550
W30×5987010
W30×6002490
W30×6017990
W30×6033510
W30×6049050
W30×6064610
W30×6080190
W30×6095790
W30×6111410
W30×6127050
W30×6142710
W30×6158390
W30×6174090
W30×6189810
W30×6205550
W30×6221310
W30×6237090
W30×6252890
W30×6268710
W30×6284550
W30×6300410
W30×6316290
W30×6332190
W30×6348110
W30×6364050
W30×6380010
W30×6395990
W30×6411990
W30×6428010
W30×6444050
W30×6460110
W30×6476190
W30×6492290
W30×6508410
W30×6524550
W30×6540710
W30×6556890
W30×6573090
W30×6589310
W30×6605550
W30×6621810
W30×6638090
W30×6654390
W30×6670710
W30×6687050
W30×6703410
W30×6719790
W30×6736190
W30×6752610
W30×6769050
W30×6785510
W30×6801990
W30×6818490
W30×6835010
W30×6851550
W30×6868110
W30×6884690
W30×6901290
W30×6917910
W30×6934550
W30×6951210
W30×6967890
W30×6984590
W30×7001310
W30×7018050
W30×7034810
W30×7051590
W30×7068390
W30×7085210
W30×7102050
W30×7118910
W30×7135790
W30×7152690
W30×7169610
W30×7186550
W30×7203510
W30×7220490
W30×7237490
W30×7254510
W30×7271550
W30×7288610
W30×7305690
W30×7322790
W30×7339910
W30×7357050
W30×7374210
W30×7391390
W30×7408590
W30×7425810
W30×7443050
W30×7460310
W30×7477590
W30×7494890
W30×7512210
W30×7529550
W30×7546910
W30×7564290
W30×7581690
W30×7599110
W30×7616550
W30×7634010
W30×7651490
W30×7668990
W30×7686510
W30×7704050
W30×7721610
W30×7739190
W30×7756790
W30×7774410
W30×7792050
W30×7809710
W30×7827390
W30×7845090
W30×7862810
W30×7880550
W30×7898310
W30×7916090
W30×7933890
W30×7951710
W30×7969550
W30×7987410
W30×8005290
W30×8023190
W30×8041110
W30×8059050
W30×8077010
W30×8094990
W30×8112990
W30×8131010
W30×8149050
W30×8167110
W30×8185190
W30×8203290
W30×8221410
W30×8239550
W30×8257710
W30×8275890
W30×8294090
W30×8312310
W30×8330550
W30×8348810
W30×8367090
W30×8385390
W30×8403710
W30×8422050
W30×8440410
W30×8458790
W30×8477190
W30×8495610
W30×8514050
W30×8532510
W30×8550990
W30×8569490
W30×8588010
W30×8606550
W30×8625110
W30×8643690
W30×8662290
W30×8680910
W30×8699550
W30×8718210
W30×8736890
W30×8755590
W30×8774310
W30×8793050
W30×8811810
W30×8830590
W30×8849390
W30×8868210
W30×8887050
W30×8905910
W30×8924790
W30×8943690
W30×8962610
W30×8981550
W30×9000510
W30×9019490
W30×9038490
W30×9057510
W30×9076550
W30×9095610
W30×9114690
W30×9133790
W30×9152910
W30×9172050
W30×9191210
W30×9210390
W30×9229590
W30×9248810
W30×9268050
W30×9287310
W30×9306590
W30×9325890
W30×9345210
W30×9364550
W30×9383910
W30×9403290
W30×9422690
W30×9442110
W30×9461550
W30×9481010
W30×9500490
W30×9519990
W30×9539510
W30×9559050
W30×9578610
W30×9598190
W30×9617790
W30×9637410
W30×9657050
W30×9676710
W30×9696390
W30×9716090
W30×9735810
W30×9755550
W30×9775310
W30×9795090
W30×9814890
W30×9834710
W30×9854550
W30×9874410
W30×9894290
W30×9914190
W30×9934110
W30×9954050
W30×9974010
W30×9993990
W30×10013990
W30×10034010
W30×10054050
W30×10074110
W30×10094190
W30×10114290
W30×10134410
W30×10154550
W30×10174710
W30×10194890
W30×10215090
W30×10235310
W30×10255550
W30×10275810
W30×10296090
W30×10316390
W30×10336710
W30×10357050
W30×10377410
W30×10397790
W30×10418190
W30×10438610
W30×10459050
W30×10479510
W30×10499990
W30×10520490
W30×10541010
W30×10561550
W30×10582110
W30×10602690
W30×10623290
W30×10643910
W30×10664550
W30×10685210
W30×10705890
W30×10726590
W30×10747310
W30×10768050
W30×10788810
W30×10809590
W30×10830390
W30×10851210
W30×10872050
W30×10892910
W30×10913790
W30×10934690
W30×10955610
W30×10976550
W30×10997510
W30×11018490
W30×11039490
W30×11060510
W30×11081550
W30×11102610
W30×11123690
W30×11144790
W30×11165910
W30×11187050
W30×11208210
W30×11229390
W30×11250590
W30×11271810
W30×11293050
W30×11314310
W30×11335590
W30×11356890
W30×11378210
W30×11399550
W30×11420910
W30×11442290
W30×11463690
W30×11485110
W30×11506550
W30×11528010
W30×11549490
W30×11570990
W30×11592510
W30×11614050
W30×11635610
W30×11657190
W30×11678790
W30×11700410
W30×11722050
W30×11743710
W30×11765390
W30×11787090
W30×11808810
W30×11830550
W30×11852310
W30×11874090
W30×11895890
W30×11917710
W30×11939550
W30×11961410
W30×11983290
W30×12005190
W30×12027110
W30×12049050
W30×12071010
W30×12092990
W30×12114990
W30×12137010
W30×12159050
W30×12181110
W30×12203190
W30×12225290
W30×12247410
W30×12269550
W30×12291710
W30×12313890
W30×12336090
W30×12358310
W30×12380550
W30×12402810
W30×12425090
W30×12447390
W30×12469710
W30×12492050
W30×12514410
W30×12536790
W30×12559190
W30×12581610
W30×12604050
W30×12626510
W30×12648990
W30×12671490
W30×12694010
W30×12716550
W30×12739110
W30×12761690
W30×12784290
W30×12806910
W30×12829550
W30×12852210
W30×12874890
W30×12897590
W30×12920310
W30×12943050
W30×12965810
W30×12988590
W30×13011390
W30×13034210
W30×13057050
W30×13079910
W30×13102790
W30×13125690
W30×13148610
W30×13171550
W30×13194510
W30×13217490
W30×13240490
W30×13263510
W30×13286550
W30×13309610
W30×13332690
W30×13355790
W30×13378910
W30×13402050
W30×13425210
W30×13448390
W30×13471590
W30×13494810
W30×13518050
W30×13541310
W30×13564590
W30×13587890
W30×13611210
W30×13634550
W30×13657910
W30×13681290
W30×13704690
W30×13728110
W30×13751550
W30×13775010
W30×13798490
W30×13821990
W30×13845510
W30×13869050
W30×13892610
W30×13916190
W30×13939790
W30×13963410
W30×13987050
W30×14010710
W30×14034390
W30×14058090
W30×14081810
W30×14105550
W30×14129310
W30×14153090
W30×14176890
W30×14200710
W30×14224550
W30×14248410
W30×14272290
W30×14296190
W30×14320110
W30×14344050
W30×14368010
W30×14391990
W30×14415990
W30×14440010
W30×14464050
W30×14488110
W30×14512190
W30×14536290
W30×14560410
W30×14584550
W30×14608710
W30×14632890
W30×14657090
W30×14681310
W30×14705550
W30×14729810
W30×14754090
W30×14778390
W30×14802710
W30×14827050
W30×14851410
W30×14875790
W30×14900190
W30×14924610
W30×14949050
W30×14973510
W30×14997990
W30×15022490
W30×15047010
W30×15071550
W30×15096110
W30×15120690
W30×15145290
W30×15169910
W30×15194550
W30×15219210
W30×15243890
W30×15268590
W30×15293310
W30×15318050
W30×15342810
W30×15367590
W30×15392390
W30×15417210
W30×15442050
W30×15466910
W30×15491790
W30×15516690
W30×15541610
W30×15566550
W30×15591510
W30×15616490
W30×15641490
W30×15666510
W30×15691550
W30×15716610
W30×15741690
W30×15766790
W30×15791910
W30×15817050
W30×15842210
W30×15867390
W30×15892590
W30×15917810
W30×15943050
W30×15968310
W30×15993590
W30×16018890
W30×16044210
W30×16069550
W30×16094910
W30×16120290
W30×16145690
W30×16171110
W30×16196550
W30×16222010
W30×16247490
W30×16272990
W30×16298510
W30×16324050
W30×16349610
W30×16375190
W30×16400790
W30×16426410
W30×16452050
W30×16477710
W30×16503390
W30×16529090
W30×16554810
W30×16580550
W30×16606310
W30×16632090
W30×16657890
W30×16683710
W30×16709550
W30×16735410
W30×16761290
W30×16787190
W30×16813110
W30×16839050
W30×16865010
W30×16890990
W30×16916990
W30×16943010
W30×16969050
W30×16995110
W30×17021190
W30×17047290
W30×17073410
W30×17099550
W30×17125710
W30×17151890
W30×17178090
W30×17204310
W30×17230550
W30×17256810
W30×17283090
W30×17309390
W30×17335710
W30×17362050
W30×17388410
W30×17414790
W30×17441190
W30×17467610
W30×17494050
W30×17520510
W30×17546990
W30×17573490
W30×17600010
W30×17626550
W30×17653110
W30×17679690
W30×17706290
W30×17732910
W30×17759550
W30×17786210
W30×17812890
W30×17839590
W30×17866310
W30×17893050
W30×17919810
W30×17946590
W30×17973390
W30×18000210
W30×18027050
W30×18053910
W30×18080790
W30×18107690
W30×18134610
W30×18161550
W30×18188510
W30×18215490
W30×18242490
W30×18269510
W30×18296550
W30×18323610
W30×18350690
W30×18377790
W30×18404910
W30×18432050
W30×18459210
W30×18486390
W30×18513590
W30×18540810
W30×18568050
W30×18595310
W30×18622590
W30×18649890
W30×18677210
W30×18704550
W30×18731910
W30×18759290
W30×18786690
W30×18814110
W30×18841550
W30×18869010
W30×18896490
W30×18923990
W30×18951510
W30×18979050
W30×19006610
W30×19034190
W30×19061790
W30×19089410
W30×19117050
W30×19144710
W30×19172390
W30×19200090
W30×19227810
W30×19255550
W30×19283310
W30×19311090
W30×19338890
W30×19366710
W30×19394550
W30×19422410
W30×19450290
W30×19478190
W30×19506110
W30×19534050
W30×19562010
W30×19589990
W30×19617990
W30×19646010
W30×19674050
W30×19702110
W30×19730190
W30×19758290
W30×19786410
W30×19814550
W30×19842710
W30×19870890
W30×19899090
W30×19927310
W30×19955550
W30×19983810
W30×20012090
W30×20040390
W30×20068710
W30×20097050
W30×20125410
W30×20153790
W30×20182190
W30×20210610
W30×20239050
W30×20267510
W30×20295990
W30×20324490
W30×20353010
W30×20381550
W30×20410110
W30×20438690
W30×20467290
W30×20495910
W30×20524550
W30×20553210
W30×20581890
W30×20610590
W30×20639310
W30×20668050
W30×20696810
W30×20725590
W30×20754390
W30×20783210
W30×20812050
W30×20840910
W30×20869790
W30×20898690
W30×20927610
W30×20956550
W30×20985510
W30×21014490
W30×21043490
W30×21072510
W30×21101550
W30×21130610
W30×21159690
W30×21188790
W30×21217910
W30×21247050
W30×21276210
W30×21305390
W30×21334590
W30×21363810
W30×21393050
W30×21422310
W30×21451590
W30×21480890
W30×21510210
W30×21539550
W30×21568910
W30×21598290
W30×21627690
W30×21657110
W30×21686550
W30×21716010
W30×21745490
W30×21774990
W30×21804510
W30×21834050
W30×21863610
W30×21893190
W30×21922790
W30×21952410
W30×21982050
W30×22011710
W30×22041390
W30×22071090
W30×22100810
W30×22130550
W30×22160310
W30×22190090
W30×22219890
W30×22249710
W30×22279550
W30×22309410
W30×22339290
W30×22369190
W30×22399110
W30×22429050
W30×22459010
W30×22488990
W30×22518990
W30×22549010
W30×22579050
W30×22609110
W30×22639190
W30×22669290
W30×22699410
W30×22729550
W30×22759710
W30×22789890
W30×22820090
W30×22850310
W30×22880550
W30×22910810
W30×22941090
W30×22971390
W30×23001710
W30×23032050
W30×23062410
W30×23092790
W30×23123190
W30×23153610
W30×23184050
W30×23214510
W30×23244990
W30×23275490
W30×23306010
W30×23336550
W30×23367110
W30×23397690
W30×23428290
W30×23458910
W30×23489550
W30×23520210
W30×23550890
W30×23581590
W30×23612310
W30×23643050
W30×23673810
W30×23704590
W30×23735390
W30×23766210
W30×23797050
W30×23827910
W30×23858790
W30×23889690
W30×23920610
W30×23951550
W30×23982510
W30×24013490
W30×24044490
W30×24075510
W30×24106550
W30×24137610
W30×24168690
W30×24199790
W30×24230910
W30×24262050
W30×24293210
W30×24324390
W30×24355590
W30×24386810
W30×24418050
W30×24449310
W30×24480590
W30×24511890
W30×24543210
W30×24574550
W30×24605910
W30×24637290
W30×24668690
W30×24700110
W30×24731550
W30×24763010
W30×24794490
W30×24825990
W30×24857510
W30×24889050
W30×24920610
W30×24952190
W30×24983790
W30×25015410
W30×25047050
W30×25078710
W30×25110390
W30×25142090
W30×25173810
W30×25205550
W30×25237310
W30×25269090
W30×25300890
W30×25332710
W30×25364550
W30×25396410
W30×25428290
W30×25460190
W30×25492110
W30×25524050
W30×25556010
W30×25587990
W30×25619990
W30×25652010
W30×25684050
W30×25716110
W30×25748190
W30×25780290
W30×25812410
W30×25844550
W30×25876710
W30×25908890
W30×25941090
W30×25973310
W30×26005550
W30×26037810
W30×26070090
W30×26102390
W30×26134710
W30×26167050
W30×26199410
W30×26231790
W30×26264190
W30×26296610
W30×26329050
W30×26361510
W30×26393990
W30×26426490
W30×26459010
W30×26491550
W30×26524110
W30×26556690
W30×26589290
W30×26621910
W30×26654550
W30×26687210
W30×26719890
W30×26752590
W30×26785310
W30×26818050
W30×26850810
W30×26883590
W30×26916390
W30×26949210
W30×26982050
W30×27014910
W30×27047790
W30×27080690
W30×27113610
W30×27146550
W30×27179510
W30×27212490
W30×27245490
W30×27278510
W30×27311550
W30×27344610
W30×27377690
W30×27410790
W30×27443910
W30×27477050
W30×27510210
W30×27543390
W30×27576590
W30×27609810
W30×27643050
W30×27676310
W30×27709590
W30×27742890
W30×27776210
W30×27809550
W30×27842910
W30×27876290
W30×27909690
W30×27943110
W30×27976550
W30×28010010
W30×28043490
W30×28076990
W30×28110510
W30×28144050
W30×28177610
W30×28211190
W30×28244790
W30×28278410
W30×28312050
W30×28345710
W30×28379390
W30×28413090
W30×28446810
W30×28480550
W30×28514310
W30×28548090
W30×28581890
W30×28615710
W30×28649550
W30×28683410
W30×28717290
W30×28751190
W30×28785110
W30×28819050
W30×28853010
W30×28886990
W30×28920990
W30×28955010
W30×28989050
W30×29023110
W30×29057190
W30×29091290
W30×29125410
W30×29159550
W30×29193710
W30×29227890
W30×29262090
W30×29296310
W30×29330550
W30×29364810
W30×29399090
W30×29433390
W30×29467710
W30×29502050
W30×29536410
W30×29570790
W30×29605190
W30×29639610
W30×29674050
W30×29708510
W30×29742990
W30×29777490
W30×29812010
W30×29846550
W30×29881110
W30×29915690
W30×29950290
W30×29984910
W30×30019550
W30×30054210
W30×30088890
W30×30123590
W30×30158310
W30×30193050
W30×30227810
W30×30262590
W30×30297390
W30×30332210
W30×30367050
W30×30401910
W30×30436790
W30×30471690
W30×30506610
W30×30541550
W30×30576510
W30×30611490
W30×30646490
W30×30681510
W30×30716550
W30×30751610
W30×30786690
W30×30821790
W30×30856910
W30×30892050
W30×30927210
W30×30962390
W30×30997590
W30×31032810
W30×31068050
W30×31103310
W30×31138590
W30×31173890
W30×31209210
W30×31244550
W30×31279910
W30×31315290
W30×31350690
W30×31386110
W30×31421550
W30×31457010
W30×31492490
W30×31527990
W30×31563510
W30×31599050
W30×31634610
W30×31670190
W30×31705790
W30×31741410
W30×31777050
W30×31812710
W30×31848390
W30×31884090
W30×31919810
W30×31955550
W30×31991310
W30×32027090
W30×32062890
W30×32098710
W30×32134550
W30×32170410
W30×32206290
W30×32242190
W30×32278110
W30×32314050
W30×32350010
W30×32385990
W30×32421990
W30×32458010
W30×32494050
W30×32530110
W30×32566190
W30×32602290
W30×32638410
W30×32674550
W30×32710710
W30×32746890
W30×32783090
W30×32819310
W30×32855550
W30×32891810
W30×32928090
W30×32964390
W30×33000710
W30×33037050
W30×33073410
W30×33109790
W30×33146190
W30×33182610
W30×33219050
W30×33255510
W30×33291990
W30×33328490
W30×33365010
W30×33401550
W30×33438110
W30×33474690
W30×33511290
W30×33547910
W30×33584550
W30×33621210
W30×33657890
W30×33694590
W30×33731310
W30×33768050
W30×33804810
W30×33841590
W30×33878390
W30×33915210
W30×33952050
W30×33988910
W30×34025790
W30×34062690
W30×34099610
W30×34136550
W30×34173510
W30×34210490
W30×34247490
W30×34284510
W30×34321550
W30×34358610
W30×34395690
W30×34432790
W30×34469910
W30×34507050
W30×34544210
W30×34581390
W30×34618590
W30×34655810
W30×34693050
W30×34730310
W30×34767590
W30×34804890
W30×34842210
W30×34879550
W30×34916910
W30×34954290
W30×34991690
W30×35029110
W30×35066550
W30×35104010
W30×35141490
W30×35178990
W30×35216510
W30×35254050
W30×35291610
W30×35329190
W30×35366790
W30×35404410
W30×35442050
W30×35479710
W30×35517390
W30×35555090
W30×35592810
W30×35630550
W30×35668310
W30×35706090
W30×35743890
W30×35781710
W30×35819550
W30×35857410
W30×35895290
W30×35933190
W30×35971110
W30×36009050
W30×36047010
W30×36084990
W30×36122990
W30×36161010
W30×36199050
W30×36237110
W30×36275190
W30×36313290
W30×36351410
W30×36389550
W30×36427710
W30×36465890
W30×36504090
W30×36542310
W30×36580550
W30×36618810
W30×36657090
W30×36695390
W30×36733710
W30×36772050
W30×36810410
W30×36848790
W30×36887190
W30×36925610
W30×36964050
W30×37002510
W30×37040990
W30×37079490
W30×37118010
W30×37156550
W30×37195110
W30×37233690
W30×37272290
W30×37310910
W30×37349550
W30×37388210
W30×37426890
W30×37465590
W30×37504310
W30×37543050
W30×37581810
W30×37620590
W30×37659390
W30×37698210
W30×37737050
W30×37775910
W30×37814790
W30×37853690
W30×37892610
W30×37931550
W30×37970510
W30×38009490
W30×38048490
W30×38087510
W30×38126550
W30×38165610
W30×38204690
W30×38243790
W30×38282910
W30×38322050
W30×38361210
W30×38400390
W30×38439590
W30×38478810
W30×38518050
W30×38557310
W30×38596590
W30×38635890
W30×38675210
W30×38714550
W30×38753910
W30×38793290
W30×38832690
W30×38872110
W30×38911550
W30×38951010
W30×38990490
W30×39029990
W30×39069510
W30×39109050
W30×39148610
W30×39188190
W30×39227790
W30×39267410
W30×39307050
W30×39346710
W30×39386390
W30×39426090
W30×39465810
W30×39505550
W30×39545310
W30×39585090
W30×39624890
W30×39664710
W30×39704550
W30×39744410
W30×39784290
W30×39824190
W30×39864110
W30×39904050
W30×39944010
W30×39983990
W30×40023990
W30×40064010
W30×40104050
W30×40144110
W30×40184190
W30×40224290
W30×40264410
W30×40304550
W30×40344710
W30×40384890
W30×40425090
W30×40465310
W30×40505550
W30×40545810
W30×40586090
W30×40626390
W30×40666710
W30×40707050
W30×40747410
W30×40787790
W30×40828190
W30×40868610
W30×40909050
W30×40949510
W30×40989990
W30×41030490
W30×41071010
W30×41111550
W30×41152110
W30×41192690
W30×41233290
W30×41273910
W30×41314550
W30×41355210
W30×41395890
W30×41436590
W30×41477310
W30×41518050
W30×41558810
W30×41599590
W30×41640390
W30×41681210
W30×41722050
W30×41762910
W30×41803790
W30×41844690
W30×41885610
W30×41926550
W30×41967510
W30×42008490
W30×42049490
W30×42090510
W30×42131550
W30×42172610
W30×42213690
W30×42254790
W30×42295910
W30×42337050
W30×42378210
W30×42419390
W30×42460590
W30×42501810
W30×42543050
W30×42584310
W30×42625590
W30×42666890
W30×42708210
W30×42749550
W30×42790910
W30×42832290
W30×42873690
W30×42915110
W30×42956550
W30×42998010
W30×43039490
W30×43080990
W30×43122510
W30×43164050
W30×43205610
W30×43247190
W30×43288790
W30×43330410
W30×43372050
W30×43413710
W30×43455390
W30×43497090
W30×43538810
W30×43580550
W30×43622310
W30×43664090
W30×43705890
W30×43747710
W30×43789550
W30×43831410
W30×43873290
W30×43915190
W30×43957110
W30×43999050
W30×44041010
W30×44082990
W30×44124990
W30×44167010
W30×44209050
W30×44251110
W30×44293190
W30×44335290
W30×44377410
W30×44419550
W30×44461710
W30×44503890
W30×44546090
W30×44588310
W30×44630550
W30×44672810
W30×44715090
W30×44757390
W30×44799710
W30×44842050
W30×44884410
W30×44926790
W30×44969190
W30×45011610
W30×45054050
W30×45096510
W30×45138990
W30×45181490
W30×45224010
W30×45266550
W30×45309110
W30×45351690
W30×45394290
W30×45436910
W30×45479550
W30×45522210
W30×45564890
W30×45607590
W30×45650310
W30×45693050
W30×45735810
W30×45778590
W30×45821390
W30×45864210
W30×45907050
W30×45949910
W30×45992790
W30×46035690
W30×46078610
W30×46121550
W30×46164510
W30×46207490
W30×46250490
W30×46293510
W30×46336550
W30×46379610
W30×46422690
W30×46465790
W30×46508910
W30×46552050
W30×46595210
W30×46638390
W30×46681590
W30×46724810
W30×46768050
W30×46811310
W30×46854590
W30×46897890
W30×46941210
W30×46984550
W30×47027910
W30×47071290
W30×47114690
W30×47158110
W30×47201550
W30×47245010
W30×47288490
W30×47331990
W30×47375510
W30×47419050
W30×47462610
W30×47506190
W30×47549790
W30×47593410
W30×47637050
W30×47680710
W30×47724390
W30×47768090
W30×47811810
W30×47855550
W30×47899310
W30×47943090
W30×47986890
W30×48030710
W30×48074550
W30×48118410
W30×48162290
W30×48206190
W30×48250110
W30×48294050
W30×48338010
W30×48381990
W30×48425990
W30×48470010
W30×48514050
W30×48558110
W30×48602190
W30×48646290
W30×48690410
W30×48734550
W30×48778710
W30×48822890
W30×48867090
W30×48911310
W30×48955550
W30×48999810
W30×49044090
W30×49088390
W30×49132710
W30×49177050
W30×49221410
W30×49265790
W30×49310190
W30×49354610
W30×49399050
W30×49443510
W30×49487990
W30×49532490
W30×49577010
W30×49621550
W30×49666110
W30×49710690
W30×49755290
W30×49799910
W30×49844550
W30×49889210
W30×49933890
W30×49978590
W30×50023310
W30×50068050
W30×50112810
W30×50157590
W30×50202390
W30×50247210
W30×50292050
W30×50336910
W30×50381790
W30×50426690
W30×50471610
W30×50516550
W30×50561510
W30×50606490
W30×50651490
W30×50696510
W30×50741550
W30×50786610
W30×50831690
W30×50876790
W30×50921910
W30×50967050
W30×51012210
W30×51057390
W30×51102590
W30



31ST FLOOR FRAMING PLAN

NOTES:
1. TOP OF NEW STEEL SHALL BE 5¼" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:
1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. ⟷ INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. —X— INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. – – – – INDICATES EXISTING STEEL FRAMING.
7. ☒ INDICATES EXISTING SLAB OPENING.
8. ☒ INDICATES NEW SLAB OPENING.
9. ⟨...⟩ INDICATES NEW POST OR COLUMN.
10. ⊣⊢ INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS ---- INDICATING DISTANCE BELOW T/STL. BM.
11. CP... INDICATES REINF. FOR EXIST. BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
9		REVISED AS CIRCLED
8	8/15/89	REVISED AS CIRCLED
7	6/22/89	REVISED AS CIRCLED
6	4/6/89	REVISED AS CIRCLED
5	3/1/89	REVISED AS CIRCLED
4	1/30/89	REVISED AS CIRCLED
3	1/3/89	ISSUED FOR CONSTRUCTION
2	12/22/88	REVISED AS CIRCLED
1	12/19/88	REVISED AS CIRCLED FOR PUBLIC BIDDING
	10/17/88	SUBMITTED TO PORT AUTHORITY FOR APPROVAL OF EXIST. BLDG. MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

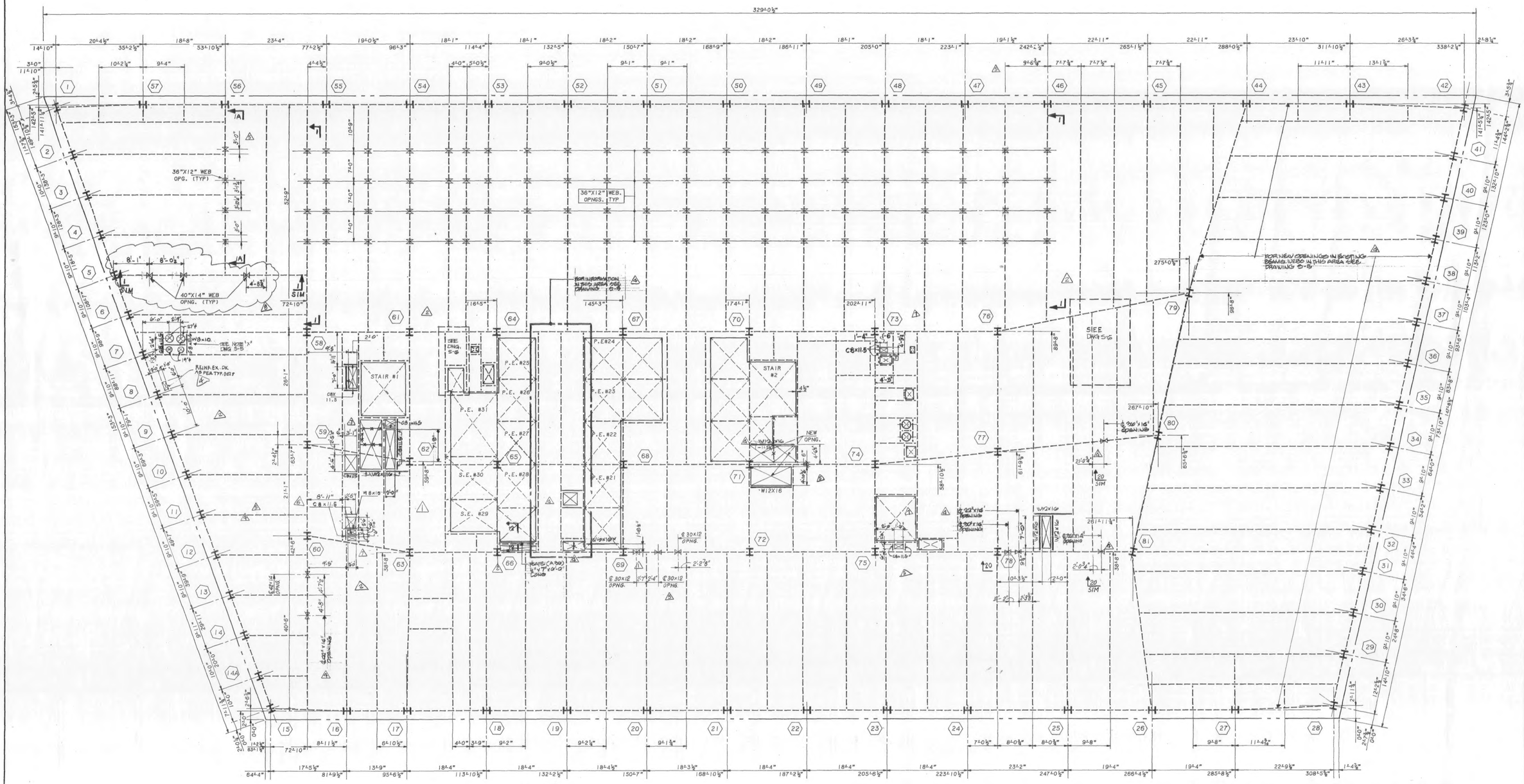
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER THE CANTOR/SEINUK GROUP

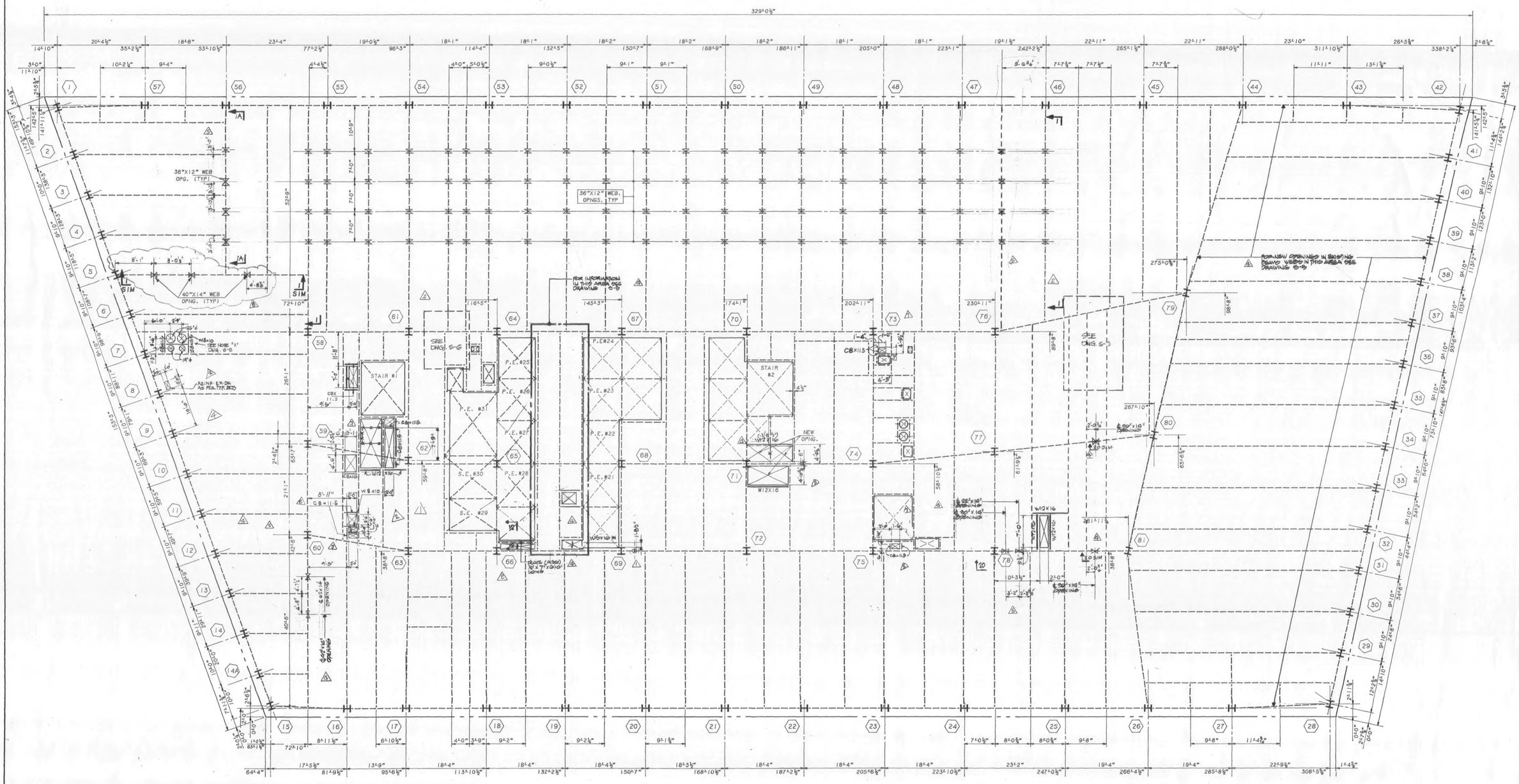
31ST. FLOOR FRAMING PLAN

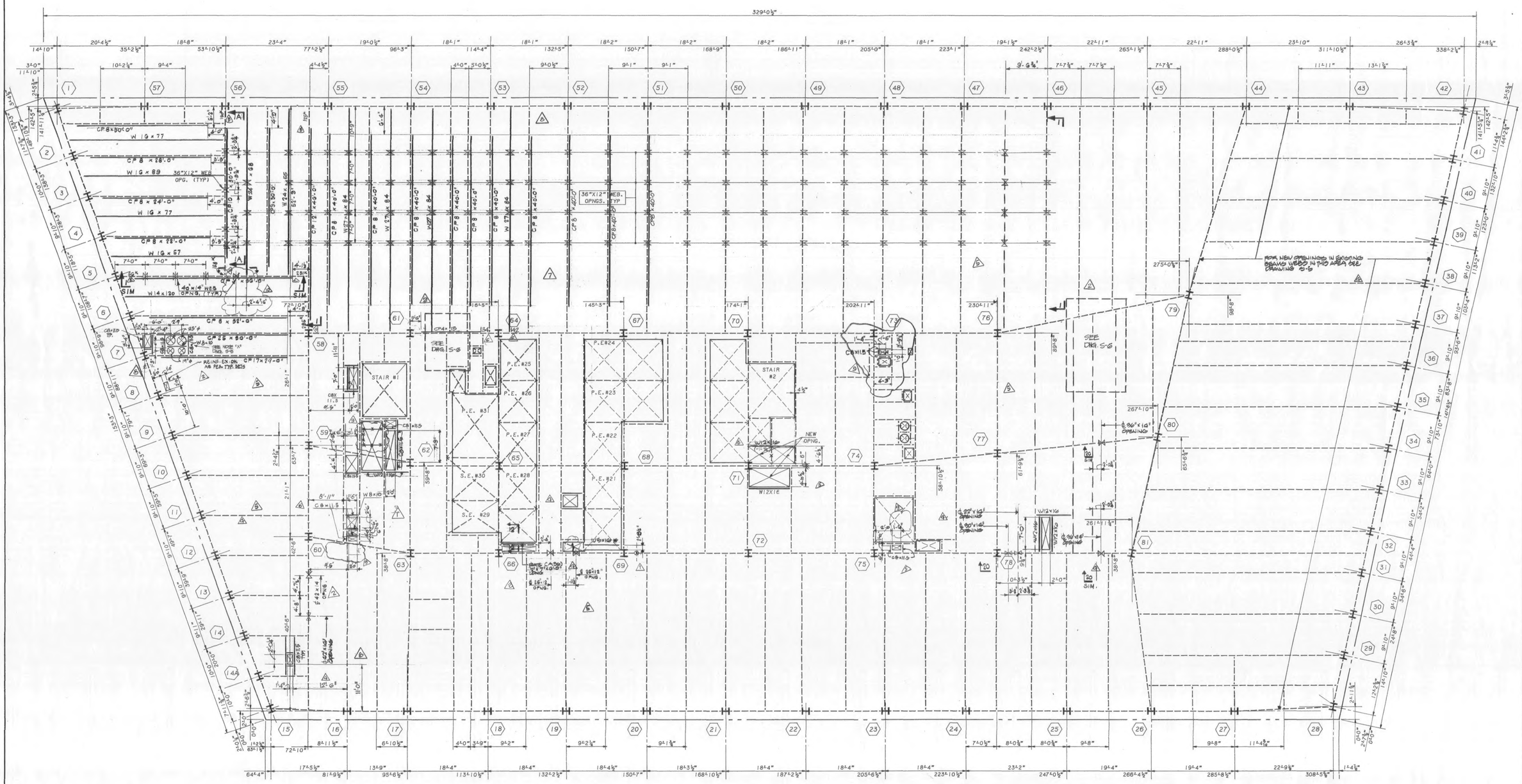
© Skidmore, Owings & Merrill 1988

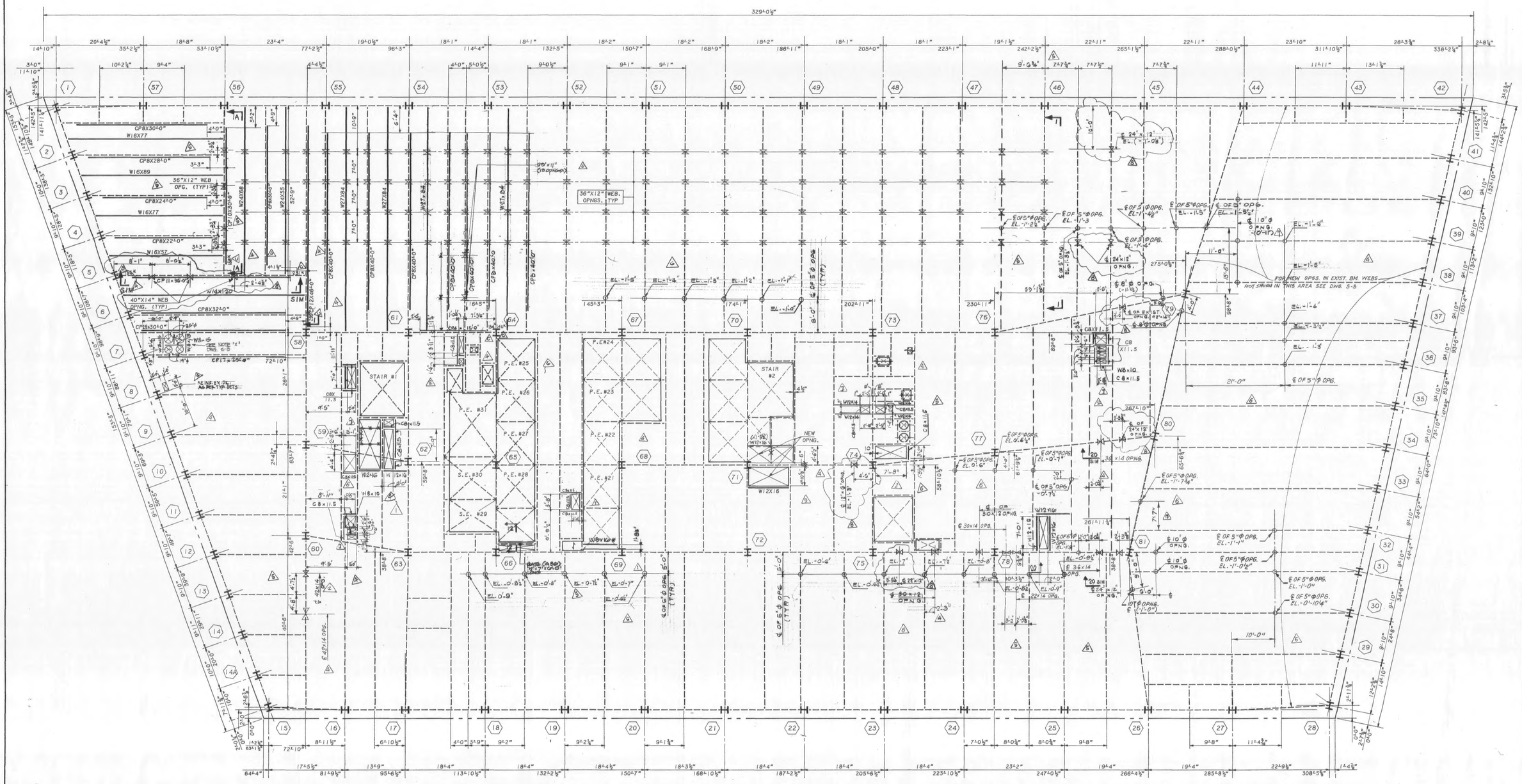
Project No.:
Date:
Scale:
Sheet No. S-6

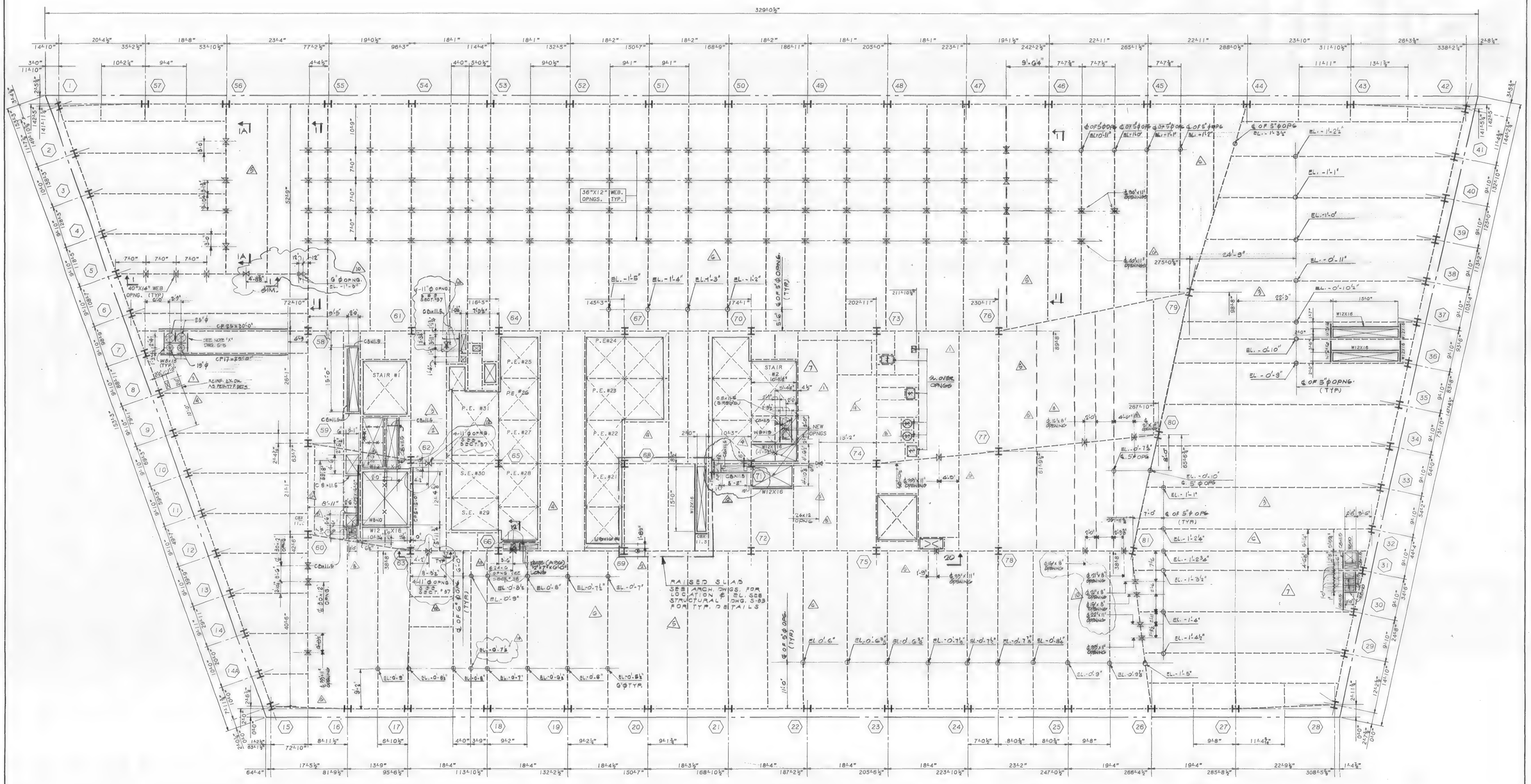
1 880057

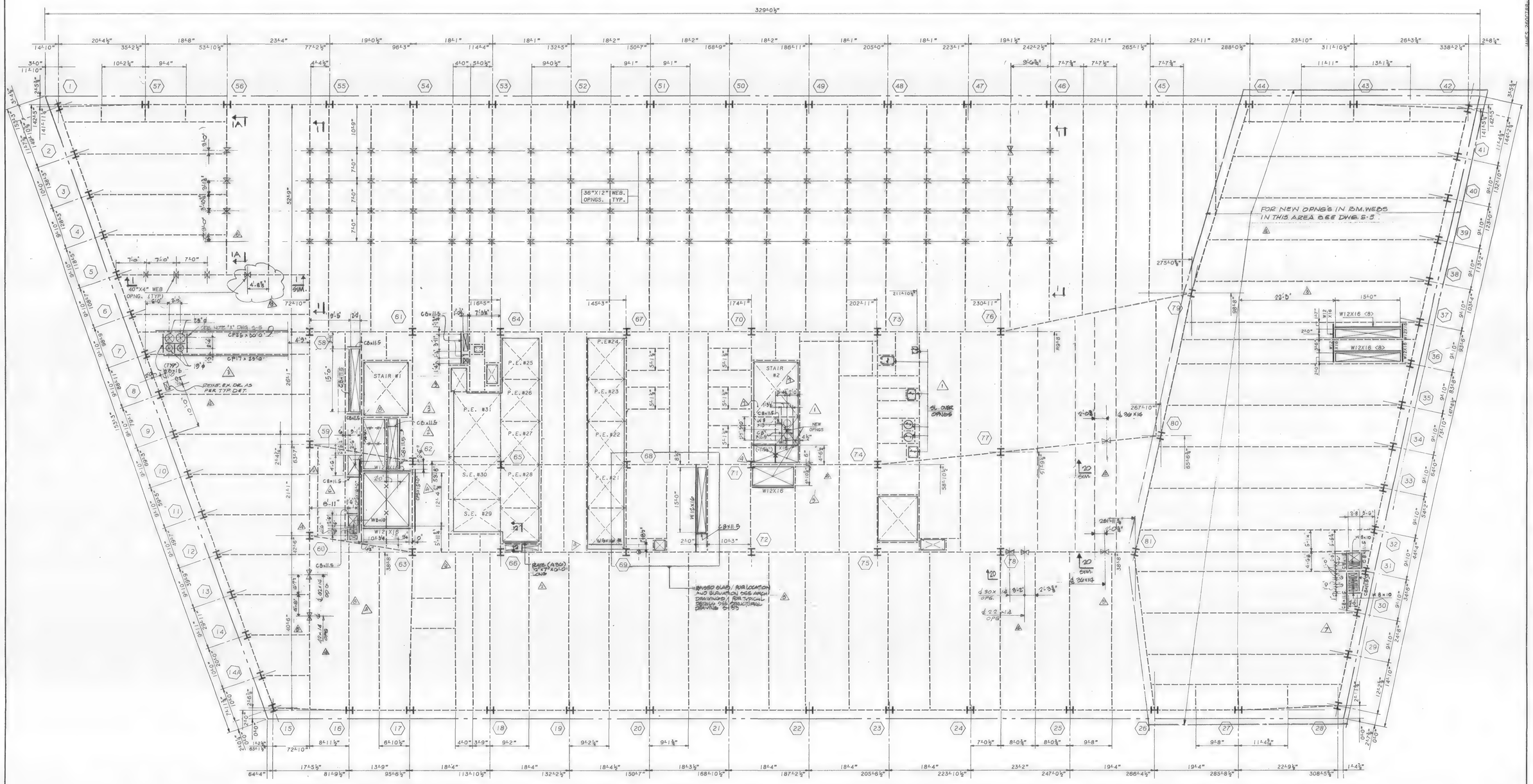

329'-0½"
36"X12" WEB OPG. (TYP)
36"X12" WEB OPNGS. TYP
40"X14" WEB OPNG. (TYP)
SIM
FOR INFORMATION IN THIS AREA SEE DRAWING S-5
FOR NEW OPENINGS IN EXISTING BEAMS, WEBS IN THIS AREA SEE DRAWING S-5
SEE DWG S-5
STAIR #1
STAIR #2
P.E. #24
P.E. #25
P.E. #26
P.E. #27
P.E. #28
P.E. #31
P.E. #22
P.E. #23
P.E. #21
S.E. #30
S.E. #29
NEW OPNG.
REINF. EX. DK. AS PER TYP. DET'S
SEE NOTE 1 DWG S-5
W8x10
W12x16
W12x19
W18x40
W18x35
W16x26
W16x31
W16x40
W16x36
W16x10
W8x15
W8x18
W8x21
W8x24
W8x28
W8x31
W8x35
W8x40
W8x48
W8x67
CB x11.5
CB x11.8
CB x13.5
CB x15
CB x18
CB x22
CB x24
CB x26
CB x31
CB x34
CB x40
CB x48
CB x67
HAVC (CAISSON 4'-7"x10'-0" LONG
4 @30x12 OPNG.
2 @30x12 OPNG.
2 @30x12 OPNG.
2

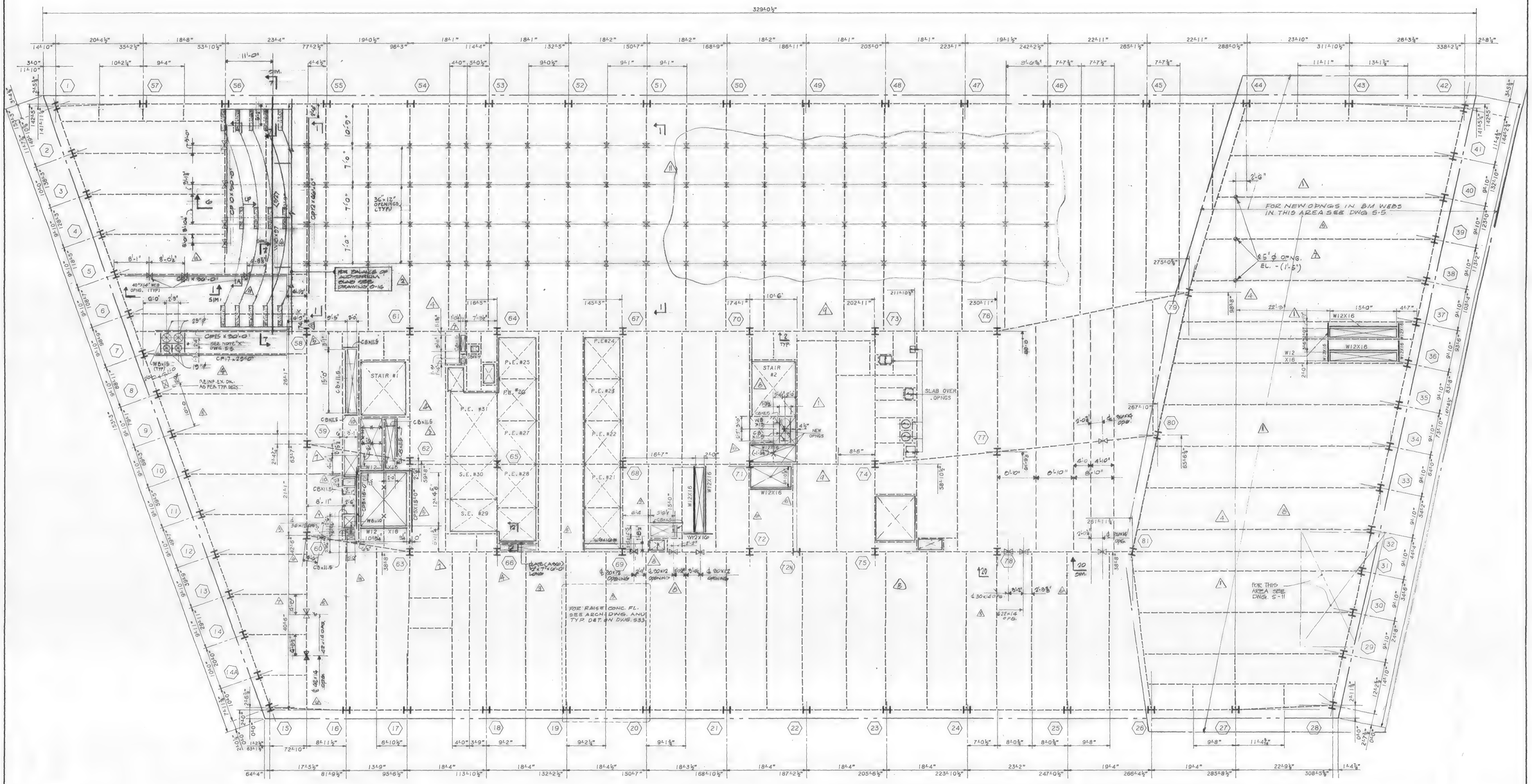

329'-0½"
36"X12" WEB OPNG. (TYP)
36"X12" WEB OPNGS. TYP
40"X14" WEB OPNG. (TYP)
SIM
FOR INFORMATION IN THIS AREA SEE DRAWING S-5
FOR NEW OPENINGS IN EXISTING BEAMS WEBS IN THIS AREA SEE DRAWING S-5
SEE DWG. S-6
SEE DWG. S-5
STAIR #1
STAIR #2
P.E.#24
P.E.#25
P.E.#23
P.E.#26
P.E.#22
P.E.#27
P.E.#21
P.E.#28
S.E.#30
S.E.#29
P.E.#31
NEW OPNG.
W12X16
CB X 11.5
CB X 11.9
W8X10
REINF. EXIST. AS PER TYP. DETS.
RAISE (AS REQ'D) TO 771'-0" LEVEL
SEE NOTE 'X' DWG. S-5
W12X16
W12X10
W8X10
W12X16
W12X16
W12X16

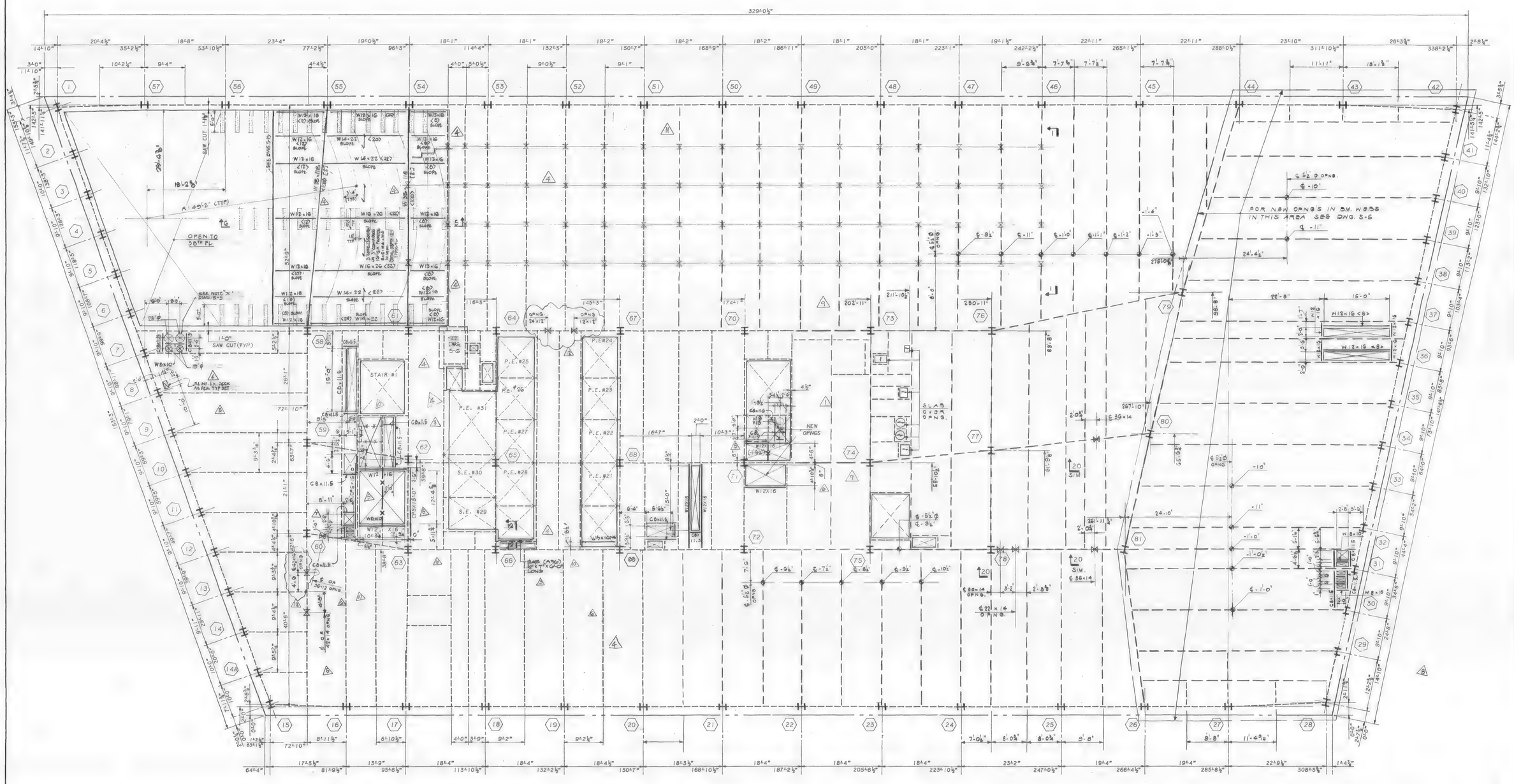

329'-0½"
CP 8 x 30.0"
W 16 x 77
CP 8 x 28.0"
W 16 x 89
36"X12" WEB OPG. (TYP)
CP 8 x 24'-0"
W 16 x 77
CP 8 x 22'-0"
W 16 x 67
CP 8 x 32'-0"
40"x14" WEB OPNG. (TYP)
W14 x 120
SIM
CP 8 x 50'-0"
REINF. EX. DK. AS PER TYP. DETS
STAIR #1
STAIR #2
SEE DWG. S-6
SEE DWG. S-5
CB11.5
CBX 11.5
W8x10
W12x16
W12X16
W12X16
NEW OPNG.
W12X16
W12X16
W12X16

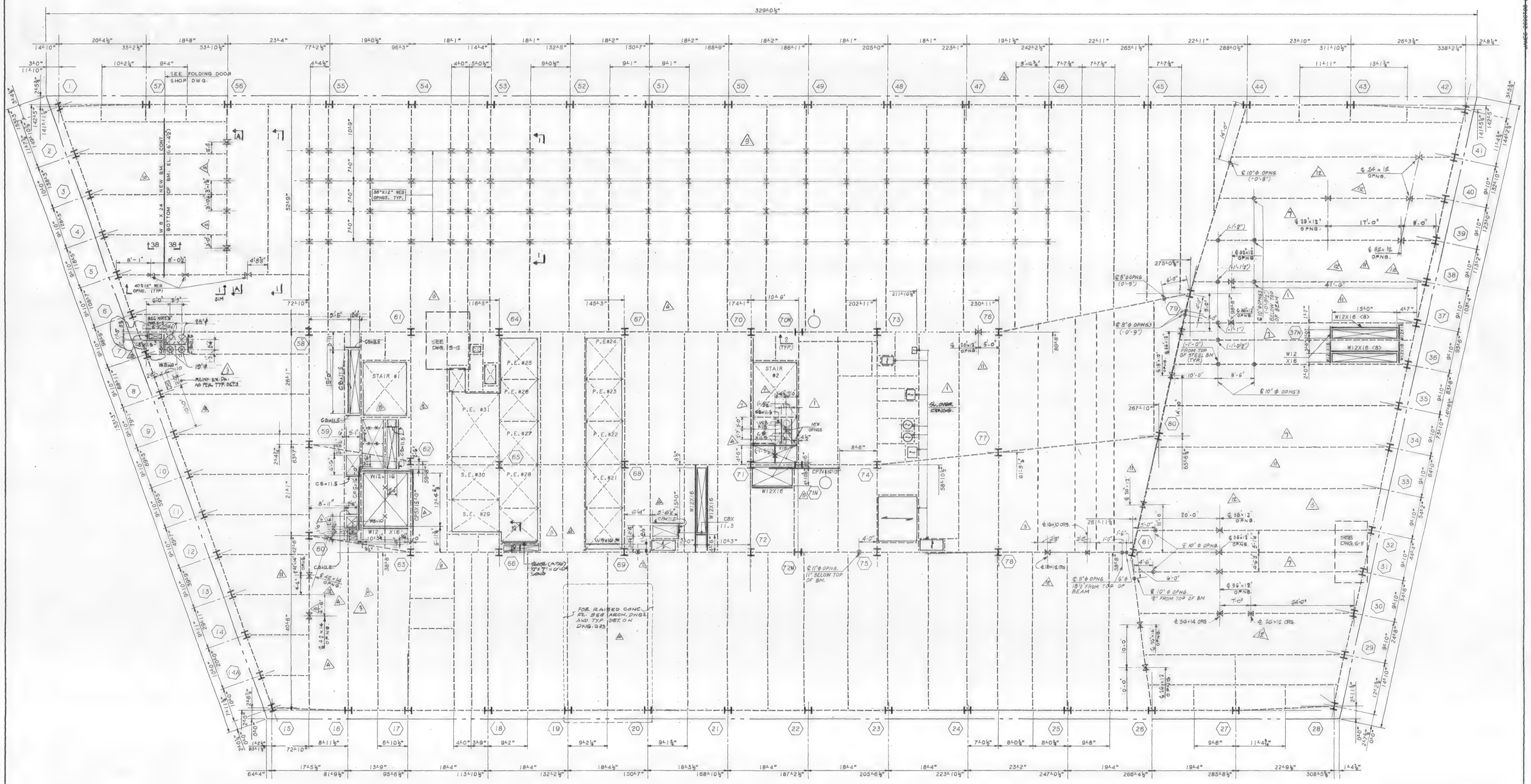

329'-0½"
CP8X30'-0"
W16X77
CP8X28'-0"
W16X89
36"X12" WEB OPG. (TYP)
CP8X24'-0"
W16X77
CP8X22'-0"
W16X57
CP11X36'-0"
40"X14" WEB OPNG. (TYP)
CP8X32'-0"
CP8X30'-0"
CP11X72'-2½"
W16X120
CP8X30'-0"
CP10X30'-0"
CP8X40'-0"
W27X84
W27X94
36"X12" WEB OPNGS. TYP.
120"X11" (18 OPNGS)
STAIR #1
STAIR #2
P.E. #24
P.E. #25
P.E. #26
P.E. #23
P.E. #27
P.E. #22
P.E. #30
P.E. #28
P.E. #21
P.E. #29
NEW OPNG.
W12X16
W8X10
W8X15
W18X40
W12X26
W12X16
W12X14
W8X18
C8X11.5
C8X13.75
C8X18.75
W8X10
C8X11.5
24"X12" OPNG.
36"X14 OPNG.
30"X12 OPNG.
10" ϕ OPNG.
8" ϕ OPNG.
10'-0"
11'-9"
21'-0"
10'-0"
FOR NEW OPNGS. IN EXIST. BM. WEBS NOT SHWN IN THIS AREA SEE DWG. S-5
℄ OF 5" ϕ OPG.
℄ OF 5" ϕ OPG. EL. -1'-2½"
℄ OF 5" ϕ OPG. EL. -1'-3"
℄ OF 5" ϕ OPG. EL. -1'-4½"
℄ OF 5" ϕ OPG. EL. -1'-5"
℄ OF 5" ϕ OPG. EL. -1'-5½"
℄ OF 5" ϕ OPG. EL. -1'-4"
℄ OF 5" ϕ OPG. EL. -1'-3½"
℄ OF 5" ϕ OPG. EL. -1'-1½"
℄ OF 5" ϕ OPG. EL. -1'-1"
℄ OF 5" ϕ OPG. EL. -1'-0½"
℄ OF 5" ϕ OPG. EL. -1'-0"
℄ OF 5" ϕ OPG. EL. -0'-10½"
℄ OF 5" ϕ OPG. EL. -0'-9½"
℄ OF 5" ϕ OPG. EL. -0'-8½"
℄ OF 5" ϕ OPG. EL. -0'-7½"
℄ OF 5" ϕ OPG. EL. -0'-6½"
℄ OF 5" ϕ OPG. EL. -0'-7"
℄ OF 5" ϕ OPG. EL. -0'-7½"
℄ OF 5" ϕ OPG. EL. -0'-8½"
℄ OF 5" ϕ OPG. EL. -0'-9"
℄ OF 5" ϕ OPG. EL. -0'-10"
℄ OF 5" ϕ OPG. EL. -1'-0"
℄ OF 5" ϕ OPG. EL. -1'-1"
℄ OF 5" ϕ OPG. EL. -1'-2"
℄ OF 5" ϕ OPG. EL. -1'-3"
℄ OF 5" ϕ OPG. EL. -1'-4"
℄ OF 5" ϕ OPG. EL. -1'-5"
EL. -1'-5"
EL. -1'-4"
EL. -1'-3½"
EL. -1'-1½"
EL. -1'-1"
EL. -1'-0"
EL. -0'-10½"
EL. -0'-9½"
EL. -0'-8½"
EL. -0'-7½"
EL. -0'-6½"
EL. -0'-7"
EL. -0'-7½"
EL. -0'-8½"
EL. -0'-9"
EL. -0'-10"
EL. -1'-0"
EL. -1'-1"
EL. -1'-2"
EL. -1'-3"
EL. -1'-4"
EL. -1'-5"
SIM
SIM
NE NF EV. DL AS PER TYP DETS
SEE NOTE 1x1 DWG. S-5
BATT. (CB 30) W12X16 CLIPS
W12X16
W12X16
W12X16

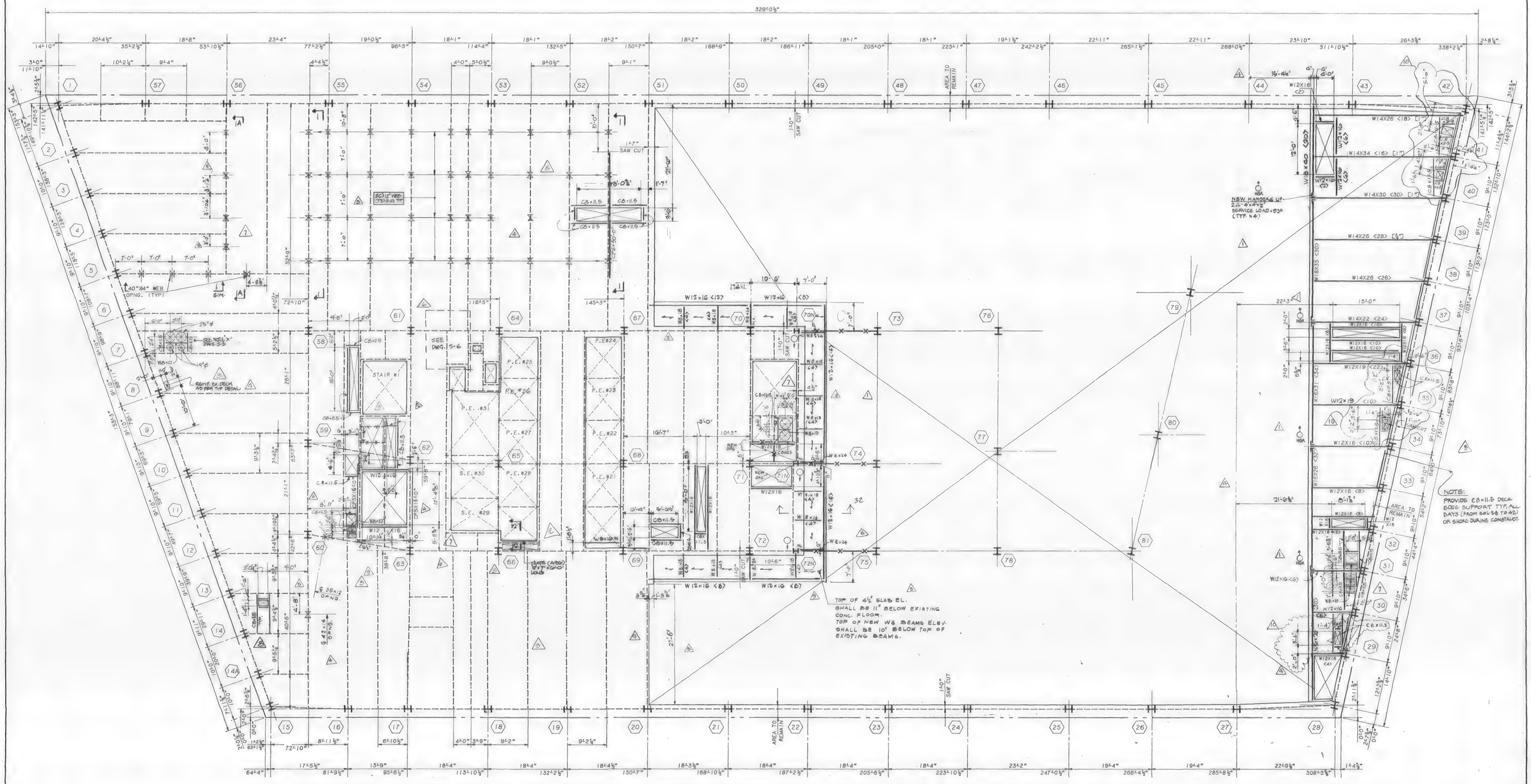

329'-10½"
36"X12" WEB OPNGS. TYP.
40"X16" WEB OPNG. (TYP)
6 Ø OPNG. EL. -1'-9"
CP 25"x20"x0.0"
CP17"x22"x0.0"
REINF. & DIA. AS PER TYP DETS
SEE NOTE 'X' DWG. S-15
STAIR #1
STAIR #2
P.E. #24
P.E. #25
P.E. #26
P.E. #23
P.E. #22
P.E. #21
P.E. #27
P.E. #28
P.E. #29
P.E. #30
S.E. #30
S.E. #29
W8x15 (TYP)
W12x16
W8x40
W12x106
W12x87
W12x72
W12x58
W12x53
W12x45
W12x40
W12x34
W12x30
W12x26
W12x19
W8x18
W8x15
W8x10
C8x11.5
C6x8.2
C5x6.7
C4x5.4
CBX11.5
CBX13
CBX11
CBX11.5
CBX11.5
CBX11.5

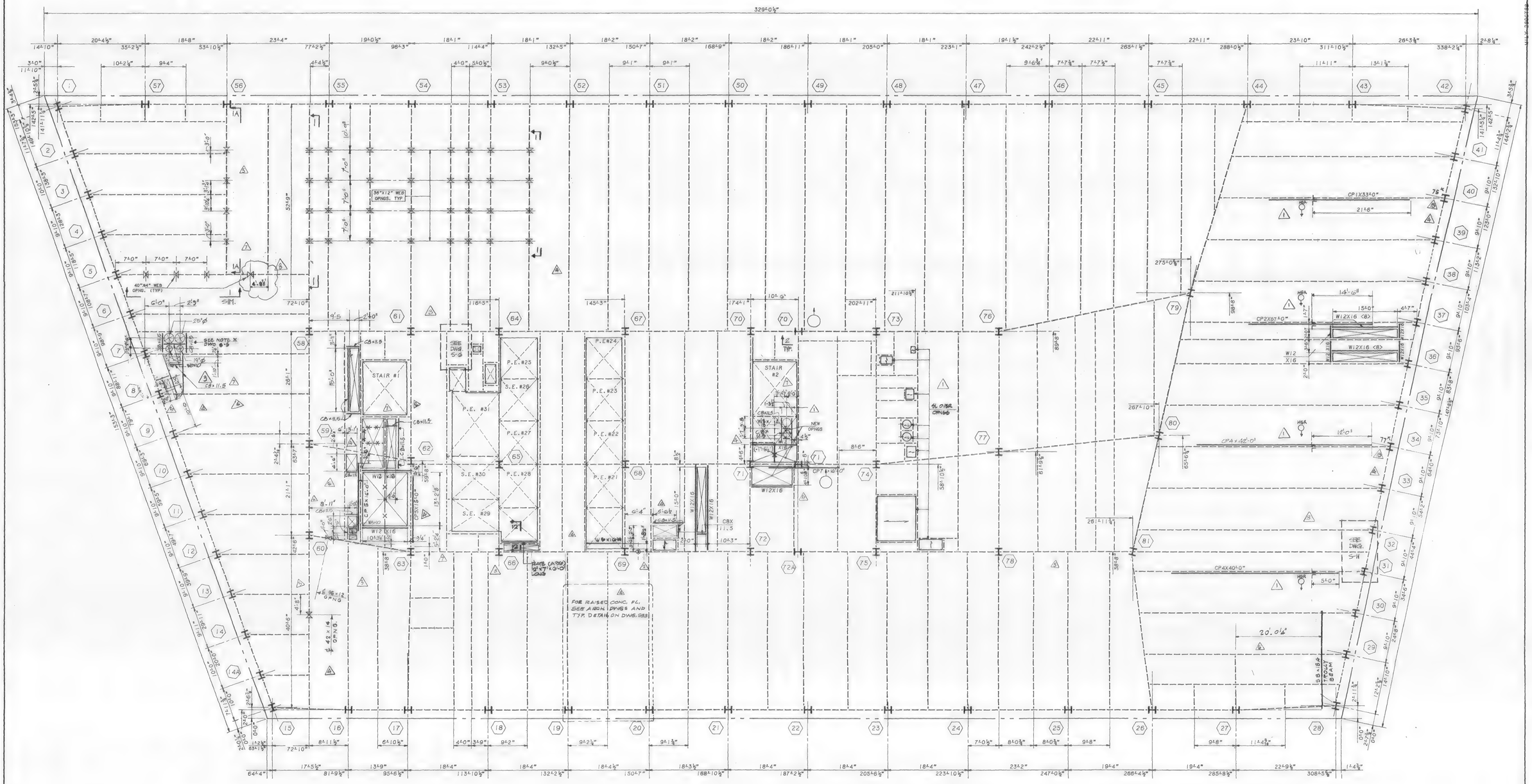

329'-0½"
36"X12" WEB OPNGS. TYP.
FOR NEW OPNGS IN BM. WEBS IN THIS AREA SEE DWG. S-5
40"X4" WEB OPNG. (TYP)
SEE NOTE 'X' DWG. S-5
REINF. EX. DK. AS PER TYP. DET.
STAIR #1
STAIR #2
P.E. #21
P.E. #22
P.E. #23
P.E. #24
P.E. #25
P.E. #26
P.E. #27
P.E. #28
P.E. #29
P.E. #30
P.E. #31
RAISED SLAB / FOR LOCATION AND ELEVATION SEE ARCH DRAWINGS / FOR TYPICAL DETAILS SEE STRUCTURAL DRAWING S-33
NEW OPNGS
EL. OVER OPNGS
W12X16
W8X10
W8X15
W8X18
W8X21
W8X24
W8X31
W8X35
W8X40
W8X48
W8X58
W8X67
W10X39
W10X45
W10X49
W10X54
W10X60
W10X68
W10X77
W10X88
W10X100
W12X14
W12X16
W12X19
W12X22
W12X26
W12X30
W12X35
W12X40
W12X45
W12X50
W12X53
W12X58
W12X65
W12X72
W12X79
W12X87
W12X96
W12X106
W12X120
W12X136
W12X152
W12X170
W12X190
W12X210
W12X230
W12X252
W12X279
W12X305
W12X336
W12X368
W12X399
W12X434
W12X470
W12X504
W12X550
W12X597
W12X652
W12X710
W12X787
W12X861
W12X943
W12X1041
W12X1138
W12X1243
W12X1354
W12X1466
W12X1585
W12X1705
W12X1826
W12X1952
W12X2079
W12X2210
W12X2340
W12X2476
W12X2611
W12X2752
W12X2894
W12X3039
W12X3190
W12X3341
W12X3497
W12X3654
W12X3815
W12X3977
W12X4144
W12X4312
W12X4485
W12X4659
W12X4838
W12X5018
W12X5203
W12X5389
W12X5580
W12X5772
W12X5969
W12X6167
W12X6371
W12X6576
W12X6787
W12X6998
W12X7215
W12X7433
W12X7656
W12X7881
W12X8112
W12X8344
W12X8582
W12X8821
W12X9066
W12X9312
W12X9564
W12X9818
W12X10078
W12X10339
W12X10606
W12X10875
W12X11150
W12X11427
W12X11710
W12X11995
W12X12286
W12X12579
W12X12878
W12X13180
W12X13488
W12X13798
W12X14114
W12X14433
W12X14757
W12X15084
W12X15416
W12X15752
W12X16092
W12X16437
W12X16786
W12X17139
W12X17497
W12X17858
W12X18224
W12X18594
W12X18968
W12X19347
W12X19730
W12X20117
W12X20509
W12X20905
W12X21306
W12X21711
W12X22120
W12X22534
W12X22952
W12X23375
W12X23802
W12X24233
W12X24669
W12X25109
W12X25554
W12X26003
W12X26456
W12X26914
W12X27376
W12X27843
W12X28314
W12X28790
W12X29270
W12X29755
W12X30244
W12X30738
W12X31236
W12X31739
W12X32246
W12X32758
W12X33274
W12X33795
W12X34321
W12X34851
W12X35386
W12X35925
W12X36469
W12X37018
W12X37571
W12X38129
W12X38691
W12X39258
W12X39830
W12X40406
W12X40987
W12X41573
W12X42163
W12X42758
W12X43358
W12X43962
W12X44571
W12X45185
W12X45803
W12X46426
W12X47054
W12X47686
W12X48323
W12X48965
W12X49611
W12X50262
W12X50918
W12X51578
W12X52243
W12X52913
W12X53587
W12X54266
W12X54950
W12X55638
W12X56331
W12X57029
W12X57732
W12X58439
W12X59151
W12X59868
W12X60590
W12X61316
W12X62047
W12X62783
W12X63523
W12X64268
W12X65018
W12X65772
W12X66531
W12X67295
W12X68063
W12X68836
W12X69614
W12X70396
W12X71183
W12X71975
W12X72771
W12X73572
W12X74378
W12X75188
W12X76003
W12X76823
W12X77647
W12X78476
W12X79309
W12X80147
W12X80990
W12X81837
W12X82689
W12X83546
W12X84407
W12X85273
W12X86144
W12X87019
W12X87899
W12X88784
W12X89673
W12X90567
W12X91466
W12X92369
W12X93277
W12X94190
W12X95107
W12X96029
W12X96956
W12X97887
W12X98823
W12X99764
W12X100709
W12X101659
W12X102613
W12X103572
W12X104536
W12X105504
W12X106477
W12X107455
W12X108437
W12X109424
W12X110416
W12X111412
W12X112413
W12X113419
W12X114429
W12X115444
W12X116464
W12X117488
W12X118517
W12X119550
W12X120588
W12X121631
W12X122678
W12X123730
W12X124787
W12X125848
W12X126914
W12X127985
W12X129060
W12X130140
W12X131225
W12X132315
W12X133409
W12X134508
W12X135612
W12X136720
W12X137833
W12X138951
W12X140073
W12X141200
W12X142332
W12X143468
W12X144609
W12X145755
W12X146905
W12X148060
W12X149220
W12X150384
W12X151553
W12X152727
W12X153905
W12X155088
W12X156276
W12X157468
W12X158665
W12X159867
W12X161073
W12X162284
W12X163500
W12X164720
W12X165945
W12X167175
W12X168409
W12X169648
W12X170892
W12X172140
W12X173393
W12X174651
W12X175913
W12X177180
W12X178452
W12X179728
W12X181009
W12X182295
W12X183585
W12X184880
W12X186180
W12X187484
W12X188793
W12X190107
W12X191425
W12X192748
W12X194076
W12X195408
W12X196745
W12X198086
W12X199432
W12X200783
W12X202138
W12X203498
W12X204862
W12X206231
W12X207605
W12X208983
W12X210366
W12X211754
W12X213146
W12X214543
W12X215944
W12X217350
W12X218761
W12X220176
W12X221596
W12X223020
W12X224449
W12X225883
W12X227321
W12X228764
W12X230211
W12X231663
W12X233120
W12X234581
W12X236047
W12X237518
W12X238993
W12X240473
W12X241957
W12X243446
W12X244940
W12X246438
W12X247941
W12X249448
W12X250960
W12X252477
W12X253998
W12X255524
W12X257054
W12X258589
W12X260129
W12X261673
W12X263222
W12X264775
W12X266333
W12X267895
W12X269462
W12X271033
W12X272609
W12X274189
W12X275774
W12X277363
W12X278957
W12X280555
W12X282158
W12X283765
W12X285377
W12X286993
W12X288614
W12X290239
W12X291869
W12X293503
W12X295142
W12X296785
W12X298433
W12X300085
W12X301742
W12X303403
W12X305069
W12X306739
W12X308414
W12X310093
W12X311777
W12X313465
W12X315158
W12X316855
W12X318557
W12X320263
W12X321974
W12X323689
W12X325409
W12X327133
W12X328862
W12X330595
W12X332333
W12X334075
W12X335822
W12X337573
W12X339329
W12X341089
W12X342854
W12X344623
W12X346397
W12X348175
W12X349958
W12X351745
W12X353537
W12X355333
W12X357134
W12X358939
W12X360749
W12X362563
W12X364382
W12X366205
W12X368033
W12X369865
W12X371702
W12X373543
W12X375389
W12X377239
W12X379094
W12X380953
W12X382817
W12X384685
W12X386558
W12X388435
W12X390317
W12X392203
W12X394094
W12X395989
W12X397889
W12X399793
W12X401702
W12X403615
W12X405533
W12X407455
W12X409382
W12X411313
W12X413249
W12X415189
W12X417134
W12X419083
W12X421037
W12X422995
W12X424958
W12X426925
W12X428897
W12X430873
W12X432854
W12X434839
W12X436829
W12X438823
W12X440822
W12X442825
W12X444833
W12X446845
W12X448862
W12X450883
W12X452909
W12X454939
W12X456974
W12X459013
W12X461057
W12X463105
W12X465158
W12X467215
W12X469277
W12X471343
W12X473414
W12X475489
W12X477569
W12X479653
W12X481742
W12X483835
W12X485933
W12X488035
W12X490142
W12X492253
W12X494369
W12X496489
W12X498614
W12X500743
W12X502877
W12X505015
W12X507158
W12X509305
W12X511457
W12X513613
W12X515774
W12X517939
W12X520109
W12X522283
W12X524462
W12X526645
W12X528833
W12X531025
W12X533222
W12X535423
W12X537629
W12X539839
W12X542054
W12X544273
W12X546497
W12X548725
W12X550958
W12X553195
W12X555437
W12X557683
W12X559934
W12X562189
W12X564449
W12X566713
W12X568982
W12X571255
W12X573533
W12X575815
W12X578102
W12X580393
W12X582689
W12X584989
W12X587294
W12X589603
W12X591917
W12X594235
W12X596558
W12X598885
W12X601217
W12X603553
W12X605894
W12X608239
W12X610589
W12X612943
W12X615302
W12X617665
W12X620033
W12X622405
W12X624782
W12X627163
W12X629549
W12X631939
W12X634334
W12X636733
W12X639137
W12X641545
W12X643958
W12X646375
W12X648797
W12X651223
W12X653654
W12X656089
W12X658529
W12X660973
W12X663422
W12X665875
W12X668333
W12X670795
W12X673262
W12X675733
W12X678209
W12X680689
W12X683174
W12X685663
W12X688157
W12X690655
W12X693158
W12X695665
W12X698177
W12X700693
W12X703214
W12X705739
W12X708269
W12X710803
W12X713342
W12X715885
W12X718433
W12X720985
W12X723541
W12X726102
W12X728668
W12X731238
W12X733812
W12X736391
W12X738975
W12X741563
W12X744155
W12X746752
W12X749353
W12X751959
W12X754569
W12X757184
W12X759803
W12X762427
W12X765055
W12X767688
W12X770325
W12X772966
W12X775612
W12X778263
W12X780918
W12X783577
W12X786241
W12X788909
W12X791582
W12X794259
W12X796941
W12X799627
W12X802318
W12X805013
W12X807713
W12X810417
W12X813126
W12X815839
W12X818557
W12X821279
W12X824006
W12X826737
W12X829473
W12X832213
W12X834958
W12X837707
W12X840461
W12X843219
W12X845982
W12X848749
W12X851521
W12X854297
W12X857078
W12X859863
W12X862653
W12X865447
W12X868246
W12X871049
W12X873857
W12X876669
W12X879486
W12X882307
W12X885133
W12X887963
W12X890798
W12X893637
W12X896481
W12X899329
W12X902182
W12X905039
W12X907901
W12X910767
W12X913638
W12X916513
W12X919393
W12X922277
W12X925166
W12X928059
W12X930957
W12X933859
W12X936766
W12X939677
W12X942593
W12X945513
W12X948438
W12X951367
W12X954301
W12X957239
W12X960182
W12X963129
W12X966081
W12X969037
W12X971998
W12X974963
W12X977933
W12X980907
W12X983886
W12X986869
W12X989857
W12X992849
W12X995846
W12X998847
W12X1001853
W12X1004863
W12X1007878
W12X1010897
W12X1013921
W12X1016949
W12X1019982
W12X1023019
W12X1026061
W12X1029107
W12X1032158
W12X1035213
W12X1038273
W12X1041337
W12X1044406
W12X1047479
W12X1050557
W12X1053639
W12X1056726
W12X1059817
W12X1062913
W12X1066013
W12X1069118
W12X1072227
W12X1075341
W12X1078459
W12X1081582
W12X1084709
W12X1087841
W12X1090977
W12X1094118
W12X1097263
W12X1100413
W12X1103567
W12X1106726
W12X1109889
W12X1113057
W12X1116229
W12X1119406
W12X1122587
W12X1125773
W12X1128963
W12X1132158
W12X1135357
W12X1138561
W12X1141769
W12X1144982
W12X1148199
W12X1151421
W12X1154647
W12X1157878
W12X1161113
W12X1164353
W12X1167597
W12X1170846
W12X1174099
W12X1177357
W12X1180619
W12X1183886
W12X1187157
W12X1190433
W12X1193713
W12X1197008
W12X1200307
W12X1203611
W12X1206919
W12X1210232
W12X1213549
W12X1216871
W12X1220197
W12X1223528
W12X1226863
W12X1230203
W12X1233547
W12X1236896
W12X1240249
W12X1243607
W12X1246969
W12X1250336
W12X1253707
W12X1257083
W12X1260463
W12X1263848
W12X1267237
W12X1270631
W12X1274029
W12X1277432
W12X1280839
W12X1284251
W12X1287667
W12X1291088
W12X1294513
W12X1297943
W12X1301377
W12X1304816
W12X1308259
W12X1311707
W12X1315159
W12X1318616
W12X1322077
W12X1325543
W12X1329013
W12X1332488
W12X1335967
W12X1339451
W12X1342939
W12X1346432
W12X1349929
W12X1353431
W12X1356937
W12X1360448
W12X1363963
W12X1367483
W12X1371007
W12X1374536
W12X1378069
W12X1381607
W12X1385149
W12X1388696
W12X1392247
W12X1395803
W12X1399363
W12X1402928
W12X1406497
W12X1410071
W12X1413649
W12X1417232
W12X1420819
W12X1424411
W12X1428007
W12X1431608
W12X1435213
W12X1438823
W12X1442437
W12X1446056
W12X1449679
W12X1453307
W12X1456939
W12X1460576
W12X1464217
W12X1467863
W12X1471513
W12X1475168
W12X1478827
W12X1482491
W12X1486159
W12X1489832
W12X1493509
W12X1497191
W12X1500877
W12X1504568
W12X1508263
W12X1511963
W12X1515667
W12X1519376
W12X1523089
W12X1526807
W12X1530529
W12X1534256
W12X1537987
W12X1541723
W12X1545463
W12X1549208
W12X1552957
W12X1556711
W12X1560469
W12X1564232
W12X1567999
W12X1571771
W12X1575547
W12X1579328
W12X1583113
W12X1586903
W12X1590697
W12X1594496
W12X1598299
W12X1602107
W12X1605919
W12X1609736
W12X1613557
W12X1617383
W12X1621213
W12X1625048
W12X1628887
W12X1632731
W12X1636579
W12X1640432
W12X1644289
W12X1648151
W12X1652017
W12X1655888
W12X1659763
W12X1663643
W12X1667527
W12X1671416
W12X1675309
W12X1679207
W12X1683109
W12X1687016
W12X1690927
W12X1694843
W12X1698763
W12X1702688
W12X1706617
W12X1710551
W12X1714489
W12X1718432
W12X1722379
W12X1726331
W12X1730287
W12X1734248
W12X1738213
W12X1742183
W12X1746157
W12X1750136
W12X1754119
W12X1758107
W12X1762099
W12X1766096
W12X1770097
W12X1774103
W12X1778113
W12X1782128
W12X1786147
W12X1790171
W12X1794199
W12X1798232
W12X1802269
W12X1806311
W12X1810357
W12X1814408
W12X1818463
W12X1822523
W12X1826587
W12X1830656
W12X1834729
W12X1838807
W12X1842889
W12X1846976
W12X1851067
W12X1855163
W12X1859263
W12X1863368
W12X1867477
W12X1871591
W12X1875709
W12X1879832
W12X1883959
W12X1888091
W12X1892227
W12X1896368
W12X1900513
W12X1904663
W12X1908817
W12X1912976
W12X1917139
W12X1921307
W12X1925479
W12X1929656
W12X1933837
W12X1938023
W12X1942213
W12X1946408
W12X1950607
W12X1954811
W12X1959019
W12X1963232
W12X1967449
W12X1971671
W12X1975897
W12X1980128
W12X1984363
W12X1988603
W12X1992847
W12X1997096
W12X2001349
W12X2005607
W12X2009869
W12X2014136
W12X2018407
W12X2022683
W12X2026963
W12X2031248
W12X2035537
W12X2039831
W12X2044129
W12X2048432
W12X2052739
W12X2057051
W12X2061367
W12X2065688
W12X2070013
W12X2074343
W12X2078677
W12X2083016
W12X2087359
W12X2091707
W12X2096059
W12X2100416
W12X2104777
W12X2109143
W12X2113513
W12X2117888
W12X2122267
W12X2126651
W12X2131039
W12X2135432
W12X2139829
W12X2144231
W12X2148637
W12X2153048
W12X2157463
W12X2161883
W12X2166307
W12X2170736
W12X2175169
W12X2179607
W12X2184049
W12X2188496
W12X2192947
W12X2197403
W12X2201863
W12X2206328
W12X2210797
W12X2215271
W12X2219749
W12X2224232
W12X2228719
W12X2233211
W12X2237707
W12X2242208
W12X2246713
W12X2251223
W12X2255737
W12X2260256
W12X2264779
W12X2269307
W12X2273839
W12X2278376
W12X2282917
W12X2287463
W12X2292013
W12X2296568
W12X2301127
W12X2305691
W12X2310259
W12X2314832
W12X2319409
W12X2323991
W12X2328577
W12X2333168
W12X2337763
W12X2342363
W12X2346967
W12X2351576
W12X2356189
W12X2360807
W12X2365429
W12X2370056
W12X2374687
W12X2379323
W12X2383963
W12X2388608
W12X2393257
W12X2397911
W12X2402569
W12X2407232
W12X2411899
W12X2416571
W12X2421247
W12X2425928
W12X2430613
W12X2435303
W12X2439997
W12X2444696
W12X2449399
W12X2454107
W12X2458819
W12X2463536
W12X2468257
W12X2472983
W12X2477713
W12X2482448
W12X2487187
W12X2491931
W12X2496679
W12X2501432
W12X2506189
W12X2510951
W12X2515717
W12X2520488
W12X2525263
W12X2530043
W12X2534827
W12X2539616
W12X2544409
W12X2549207
W12X2554009
W12X2558816
W12X2563627
W12X2568443
W12X2573263
W12X2578088
W12X2582917
W12X2587751
W12X2592589
W12X2597432
W12X2602279
W12X2607131
W12X2611987
W12X2616848
W12X2621713
W12X2626583
W12X2631457
W12X2636336
W12X2641219
W12X2646107
W12X2650999
W12X2655896
W12X2660797
W12X2665703
W12X2670613
W12X2675528
W12X2680447
W12X2685371
W12X2690299
W12X2695232
W12X2700169
W12X2705111
W12X2710057
W12X2715008
W12X2719963
W12X2724923
W12X2729887
W12X2734856
W12X2739829
W12X2744807
W12X2749789
W12X2754776
W12X2759767
W12X2764763
W12X2769763
W12X2774768
W12X2779777
W12X2784791
W12X2789809
W12X2794832
W12X2799859
W12X2804891
W12X2809927
W12X2814968
W12X2820013
W12X2825063
W12X2830117
W12X2835176
W12X2840239
W12X2845307
W12X2850379
W12X2855456
W12X2860537
W12X2865623
W12X2870713
W12X2875808
W12X2880907
W12X2886011
W12X2891119
W12X2896232
W12X2901349
W12X2906471
W12X2911597
W12X2916728
W12X2921863
W12X2927003
W12X2932147
W12X2937296
W12X2942449
W12X2947607
W12X2952769
W12X2957936
W12X2963107
W12X2968283
W12X2973463
W12X2978648
W12X2983837
W12X2989031
W12X2994229
W12X2999432
W12X3004639
W12X3009851
W12X3015067
W12X3020288
W12X3025513
W12X3030743
W12X3035977
W12X3041216
W12X3046459
W12X3051707
W12X3056959
W12X3062216
W12X3067477
W12X3072743
W12X3078013
W12X3083288
W12X3088567
W12X3093851
W12X3099139
W12X3104432
W12X3109729
W12X3115031
W12X3120337
W12X3125648
W12X3130963
W12X3136283
W12X3141607
W12X3146936
W12X3152269
W12X3157607
W12X3162949
W12X3168295
W12X3173646
W12X3179002
W12X3184362
W12X3189727
W12X3195096
W12X3200470
W12X3205848
W12X3211230
W12X3216617
W12X3222009
W12X3227405
W12X3232805
W12X3238210
W12X3243620
W12X3249034
W12X3254453
W12X3259876
W12X3265304
W12X3270736
W12X3276173
W12X3281614
W12X3287060
W12X3292510
W12X3297965
W12X3303424
W12X3308888
W12X3314356
W12X3319829
W12X3325306
W12X3330788
W12X3336274
W12X3341765
W12X3347260
W12X3352760
W12X3358265
W12X3363774
W12X3369288
W12X3374806
W12X3380329
W12X3385856
W12X3391388
W12X3396924
W12X3402465
W12X3408010
W12X3413560
W12X3419114
W12X3424673
W12X3430236
W12X3435804
W12X3441376
W12X3446953
W12X3452534
W12X3458120
W12X3463710
W12X3469305
W12X3474904
W12X3480508
W12X3486116
W12X3491729
W12X3497346
W12X3502968
W12X3508594
W12X3514225
W12X3519860
W12X3525500
W12X3531144
W12X3536793
W12X3542446
W12X3548104
W12X3553766
W12X3559433
W12X3565104
W12X3570780
W12X3576460
W12X3582145
W12X3587834
W12X3593528
W12X3599226
W12X3604929
W12X3610636
W12X3616348
W12X3622064
W12X3627785
W12X3633510
W12X3639240
W12X3644974
W12X3650713
W12X3656456
W12X3662204
W12X3667956
W12X3673713
W12X3679474
W12X3685240
W12X3691010
W12X3696785
W12X3702564
W12X3708348
W12X3714136
W12X3719929
W12X3725726
W12X3731528
W12X3737334
W12X3743145
W12X3748960
W12X3754780
W12X3760604
W12X3766433
W12X3772266
W12X3778104
W12X3783946
W12X3789793
W12X3795644
W12X3801500
W12X3807360
W12X3813225
W12X3819094
W12X3824968
W12X3830846
W12X3836729
W12X3842616
W12X3848508
W12X3854404
W12X3860305
W12X3866210
W12X3872120
W12X3878034
W12X3883953
W12X3889876
W12X3895804
W12X3901736
W12X3907673
W12X3913614
W12X3919560
W12X3925510
W12X3931465
W12X3937424
W12X3943388
W12X3949356
W12X3955329
W12X3961306
W12X3967288
W12X3973274
W12X3979265
W12X3985260
W12X3991260
W12X3997264
W12X4003273
W12X4009286
W12X4015304
W12X4021326
W12X4027353
W12X4033384
W12X4039420
W12X4045460
W12X4051505
W12X4057554
W12X4063608
W12X4069666
W12X4075729
W12X4081796
W12X4087868
W12X4093944
W12X4100025
W12X4106110
W12X4112200
W12X4118294
W12X4124393
W12X4130496
W12X4136604
W12X4142716
W12X4148833
W12X4154954
W12X4161080
W12X4167210
W12X4173345
W12X4179484
W12X4185628
W12X4191776
W12X4197929
W12X4204086
W12X4210248
W12X4216414
W12X4222585
W12X4228760
W12X4234940
W12X4241124
W12X4247313
W12X4253506
W12X4259704
W12X4265906
W12X4272113
W12X4278324
W12X4284540
W12X4290760
W12X4296985
W12X4303214
W12X4309448
W12X4315686
W12X4321929
W12X4328176
W12X4334428
W12X4340684
W12X4346945
W12X4353210
W12X4359480
W12X4365754
W12X4372033
W12X4378316
W12X4384604
W12X4390896
W12X4397193
W12X4403494
W12X4409800
W12X4416110
W12X4422425
W12X4428744
W12X4435068
W12X4441396
W12X4447729
W12X4454066
W12X4460408
W12X4466754
W12X4473105
W12X4479460
W12X4485820
W12X4492184
W12X4498553
W12X4504926
W12X4511304
W12X4517686
W12X4524073
W12X4530464
W12X4536860
W12X4543260
W12X4549665
W12X4556074
W12X4562488
W12X4568906
W12X4575329
W12X4581756
W12X4588188
W12X4594624
W12X4601065
W12X4607510
W12X4613960
W12X4620414
W12X4626873
W12X4633336
W12X4639804
W12X4646276
W12X4652753
W12X4659234
W12X4665720
W12X4672210
W12X4678705
W12X4685204
W12X4691708
W12X4698216
W12X4704729
W12X4711246
W12X4717768
W12X4724294
W12X4730825
W12X4737360
W12X4743900
W12X4750444
W12X4756993
W12X4763546
W12X4770104
W12X4776666
W12X4783233
W12X4789804
W12X4796380
W12X4802960
W12X4809545
W12X4816134
W12X4822728
W12X4829326
W12X4835929
W12X4842536
W12X4849148
W12X4855764
W12X4862385
W12X4869010
W12X4875640
W12X4882274
W12X4888913
W12X4895556
W12X4902204
W12X4908856
W12X4915513
W12X4922174
W12X4928840
W12X4935510
W12X4942185
W12X4948864
W12X4955548
W12X4962236
W12X4968929
W12X4975626
W12X4982328
W12X4989034
W12X4995745
W12X5002460
W12X5009180
W12X5015904
W12X5022633
W12X5029366
W12X5036104
W12X5042846
W12X5049593
W12X5056344
W12X5063100
W12X5069860
W12X5076625
W12X5083394
W12X5090168
W12X5096946
W12X5103729
W12X5110516
W12X5117308
W12X5124104
W12X5130905
W12X5137710
W12X5144520
W12X5151334
W12X5158153
W12X5164976
W12X5171804
W12X5178636
W12X5185473
W12X5192314
W12X5199160
W12X5206010
W12X5212865
W12X5219724
W12X5226588
W12X5233456
W12X5240329
W12X5247206
W12X5254088
W12X5260974
W12X5267865
W12X5274760
W12X5281660
W12X5288565
W12X5295474
W12X5302388
W12X5309306
W12X5316229
W12X5323156
W12X5330088
W12X5337024
W12X5343965
W12X5350910
W12X5357860
W12X5364815
W12X5371774
W12X5378738
W12X5385706
W12X5392679
W12X5399656
W12X5406638
W12X5413624
W12X5420615
W12X5427610
W12X5434610
W12X5441614
W12X5448623
W12X5455636
W12X5462654
W12X5469676
W12X5476703
W12X5483734
W12X5490770
W12X5497810
W12X5504855
W12X5511904
W12X5518958
W12X5526016
W12X5533078
W12X5540145
W12X5547216
W12X5554292
W12X5561372
W12X5568457
W12X5575546
W12X5582640
W12X5589738
W12X5596841
W12X5603948
W12X5611060
W12X5618176
W12X5625297
W12X5632422
W12X5639552
W12X5646686
W12X5653825
W12X5660968
W12X5668116
W12X5675268
W12X5682425
W12X5689586
W12X5696752
W12X5703922
W12X5711097
W12X5718276
W12X5725460
W12X5732648
W12X5739841
W12X5747038
W12X5754240
W12X5761446
W12X5768657
W12X5775872
W12X5783092
W12X5790316
W12X5797545
W12X5804778
W12X5812016
W12X5819258
W12X5826505
W12X5833756
W12X5841012
W12X5848272
W12X5855537
W12X5862806
W12X5870080
W12X5877358
W12X5884641
W12X5891928
W12X5899220
W12X5906516
W12X5913817
W12X5921122
W12X5928432
W12X5935746
W12X5943065
W12X5950388
W12X5957716
W12X5965048
W12X5972385
W12X5979726
W12X5987072
W12X5994422
W12X6001777
W12X6009136
W12X6016500
W12X6023868
W12X6031241
W12X6038618
W12X6045999
W12X6053385
W12X6060776
W12X6068171
W12X6075570
W12X6082974
W12X6090383
W12X6097796
W12X6105213
W12X6112635
W12X6120061
W12X6127492
W12X6134927
W12X6142367
W12X6149811
W12X6157260
W12X6164713
W12X6172171
W12X6179633
W12X6187100
W12X6194571
W12X6202047
W12X6209527
W12X6217012
W12X6224501
W12X6231995
W12X6239493
W12X6246996
W12X6254503
W12X6262015
W12X6269531
W12X6277052
W12X6284577
W12X6292107
W12X6299641
W12X6307180
W12X6314723
W12X6322271
W12X6329823
W12X6337380
W12X6344941
W12X6352507
W12X6360077
W12X6367652
W12X6375231
W12X6382815
W12X6390403
W12X6397996
W12X6405593
W12X6413195
W12X6420801
W12X6428412
W12X6436027
W12X6443647
W12X6451271
W12X6458900
W12X6466533
W12X6474171
W12X6481813
W12X6489460
W12X6497111
W12X6504767
W12X6512427
W12X6520092
W12X6527761
W12X6535435
W12X6543113
W12X6550796
W12X6558483
W12X6566175
W12X6573871
W12X6581572
W12X6589277
W12X6596987
W12X6604701
W12X6612420
W12X6620143
W12X6627871
W12X6635603
W12X6643340
W12X6651081
W12X6658827
W12X6666577
W12X6674332
W12X6682091
W12X6689855
W12X6697623
W12X6705396
W12X6713173
W12X6720955
W12X6728741
W12X6736532
W12X6744327
W12X6752127
W12X6759931
W12X6767740
W12X6775553
W12X6783371
W12X6791193
W12X6799020
W12X6806851
W12X6814687
W12X6822527
W12X6830372
W12X6838221
W12X6846075
W12X6853933
W12X6861796
W12X6869663
W12X6877535
W12X6885411
W12X6893292
W12X6901177
W12X6909067
W12X6916961
W12X6924860
W12X6932763
W12X6940671
W12X6948583
W12X6956500
W12X6964421
W12X6972347
W12X6980277
W12X6988212
W12X6996151
W12X7004095
W12X7012043
W12X7019996
W12X7027953
W12X7035915
W12X7043881
W12X7051852
W12X7059827
W12X7067807
W12X7075791
W12X7083780
W12X7091773
W12X7099771
W12X7107773
W12X7115780
W12X7123791
W12X7131807
W12X7139827
W12X7147852
W12X7155881
W12X7163915
W12X7171953
W12X7179996
W12X7188043
W12X7196094
W12X7204150
W12X7212211
W12X7220276
W12X7228346
W12X7236420
W12X7244499
W12X7252582
W12X7260670
W12X7268762
W12X7276859
W12X7284960
W12X7293066
W12X7301176
W12X7309291
W12X7317410
W12X7325534
W12X7333662
W12X7341795
W12X7349932
W12X7358074
W12X7366220
W12X7374371
W12X7382526
W12X7390686
W12X7398850
W12X7407019
W12X7415192
W12X7423370
W12X7431552
W12X7439739
W12X7447930
W12X7456126
W12X7464326
W12X7472531
W12X7480740
W12X7488954
W12X7497172
W12X7505395
W12X7513622
W12X7521854
W12X7530090
W12X7538331
W12X7546576
W12X7554826
W12X7563080
W12X7571339
W12X7579602
W12X7587870
W12X7596142
W12X7604419
W12X7612700
W12X7620986
W12X7629276
W12X7637571
W12X7645870
W12X7654174
W12X7662482
W12X7670795
W12X7679112
W12X7687433
W12X7695759
W12X7704090
W12X7712425
W12X7720765
W12X7729109
W12X7737458
W12X7745811
W12X7754169
W12X7762531
W12X7770898
W12X7779269
W12X7787645
W12X7796025
W12X7804410
W12X7812799
W12X7821193
W12X7829591
W12X7837994
W12X7846401
W12X7854813
W12X7863229
W12X7871650
W12X7880075
W12X7888505
W12X7896939
W12X7905378
W12X7913821
W12X7922269
W12X7930721
W12X7939178
W12X7947639
W12X7956105
W12X7964575
W12X7973050
W12X7981529
W12X7990013
W12X7998501
W12X8006994
W12X8015491
W12X8023993
W12X8032499
W12X8041010
W12X8049525
W12X8058045
W12X8066570
W12X8075099
W12X8083633
W12X8092171
W12X8100714
W12X8109261
W12X8117813
W12X8126369
W12X8134930
W12X8143495
W12X8152065
W12X8160639
W12X8169218
W12X8177801
W12X8186389
W12X8194981
W12X8203578
W12X8212179
W12X8220785
W12X8229395
W12X8238010
W12X8246629
W12X8255253
W12X8263881
W12X8272514
W12X8281151
W12X8289793
W12X8298439
W12X8307090
W12X8315745
W12X8324405
W12X8333069
W12X8341738
W12X8350411
W12X8359089
W12X8367771
W12X8376458
W12X8385149
W12X8393845
W12X8402545
W12X8411250
W12X8419959
W12X8428673
W12X8437391
W12X8446114
W12X8454841
W12X8463573
W12X8472309
W12X8481050
W12X8489795
W12X8498545
W12X8507299
W12X8516058
W12X8524821
W12X8533589
W12X8542361
W12X8551138
W12X8559919
W12X8568705
W12X8577495
W12X8586290
W12X8595089
W12X8603893
W12X8612701
W12X8621514
W12X8630331
W12X8639153
W12X8647979
W12X8656810
W12X8665645
W12X8674485
W12X8683329
W12X8692178
W12X8701031
W12X8709889
W12X8718751
W12X8727618
W12X8736489
W12X8745365
W12X8754245
W12X8763130
W12X8772019
W12X8780913
W12X8789811
W12X8798714
W12X8807621
W12X8816533
W12X8825449
W12X8834370
W12X8843295
W12X8852225
W12X8861159
W12X8870098
W12X8879041
W12X8887989
W12X8896941
W12X8905898
W12X8914859
W12X8923825
W12X8932795
W12X8941770
W12X8950749
W12X8959733
W12X8968721
W12X8977714
W12X8986711
W12X8995713
W12X9004719
W12X9013730
W12X9022745
W12X9031765
W12X9040789
W12X9049818
W12X9058851
W12X9067889
W12X9076931
W12X9085978
W12X9095029
W12X9104085
W12X9113145
W12X9122210
W12X9131279
W12X9140353
W12X9149431
W12X9158514
W12X9167601
W12X9176693
W12X9185789
W12X9194890
W12X9203995
W12X9213105
W12X9222219
W12X9231338
W12X9240461
W12X9249589
W12X9258721
W12X9267858
W12X9276999
W12X9286145
W12X9295295
W12X9304450
W12X9313609
W12X9322773
W12X9331941
W12X9341114
W12X9350291
W12X9359473
W12X9368659
W12X9377850
W12X9387045
W12X9396245
W12X9405449
W12X9414658
W12X9423871
W12X9433089
W12X9442311
W12X9451538
W12X9460769
W12X9470005
W12X9479245
W12X9488490
W12X9497739
W12X9506993
W12X9516251
W12X9525514
W12X9534781
W12X9544053
W12X9553329
W12X9562610
W12X9571895
W12X9581185
W12X9590479
W12X9599778
W12X9609081
W12X9618389
W12X9627701
W12X9637018
W12X9646339
W12X9655665
W12X9664995
W12X9674330
W12X9683669
W12X9693013
W12X9702361
W12X9711714
W12X9721071
W12X9730433
W12X9739799
W12X9749170
W12X9758545
W12X9767925
W12X9777309
W12X9786698
W12X9796091
W12X9805488
W12X9814890
W12X9824297
W12X9833708
W12X9843123
W12X9852543
W12X9861968
W12X9871397
W12X9880831
W12X9890269
W12X9899712
W12X9909159
W12X9918611
W12X9928067
W12X9937528
W12X9946993
W12X9956463
W12X9965937
W12X9975416
W12X9984899
W12X9994387
W12X10003879
W12X10013376
W12X10022877
W12X10032383
W12X10041893
W12X10051408
W12X10060927
W12X10070451
W12X10079979
W12X10089512
W12X10099049
W12X10108591
W12X10118137
W12X10127688
W12X10137243
W12X10146803
W12X10156367
W12X10165936
W12X10175509
W12X10185087
W12X10194669
W12X10204256
W12X10213847
W12X10223443
W12X10233043
W12X10242648
W12X10252257
W12X10261871
W12X10271489
W12X10281112
W12X10290739
W12X10300371
W12X10310007
W12X10319648
W12X10329293
W12X10338943
W12X10348597
W12X10358256
W12X10367919
W12X10377587
W12X10387259
W12X10396936
W12X10406617
W12X10416303
W12X10425993
W12X10435688
W12X10445387
W12X10455091
W12X10464799
W12X10474512
W12X10484229
W12X10493951
W12X10503677
W12X10513408
W12X10523143
W12X10532883
W12X10542627
W12X10552376
W12X10562129
W12X10571887
W12X10581649
W12X10591416
W12X10601187
W12X10610963
W12X10620743
W12X10630528
W12X10640317
W12X10650111
W12X10659909
W12X10669712
W12X10679519
W12X10689331
W12X10699147
W12X10708968
W12X10718793
W12X10728623
W12X10738457
W12X10748296
W12X10758139
W12X10767987
W12X10777839
W12X10787696
W12X10797557
W12X10807423
W12X10817293
W12X10827168
W12X10837047
W12X10846931
W12X10856819
W12X10866712
W12X10876609
W12X10886511
W12X10896417
W12X10906328
W12X10916243
W12X10926163
W12X10936087
W12X10946016
W12X10955949
W12X10965887
W12X10975829
W12X10985776
W12X10995727
W12X11005683
W12X11015643
W12X11025608
W12X11035577
W12X11045551
W12X11055529
W12X11065512
W12X11075499
W12X11085491
W12X11095487
W12X11105488
W12X11115493
W12X11125503
W12X11135517
W12X11145536
W12X11155559
W12X11165587
W12X11175619
W12X11185655
W12X11195696
W12X11205742
W12X11215792
W12X11225846
W12X11235905
W12X11245968
W12X11256036
W12X11266108
W12X11276184
W12X11286265
W12X11296351
W12X11306441
W12X11316535
W12X11326634
W12X11336737
W12X11346845
W12X11356957
W12X11367073
W12X11377194
W12X11387319
W12X11397449
W12X11407583
W12X11417721
W12X11427864
W12X11438011
W12X11448162
W12X11458318
W12X11468478
W12X11478642
W12X11488811
W12X11498984
W12X11509161
W12X11519343
W12X11529529
W12X11539719
W12X11549914
W12X11560113
W12X11570316
W12X11580524
W12X11590736
W12X11600952
W12X11611173
W12X11621398
W12X11631627
W12X11641861
W12X11652099
W12X11662341
W12X11672588
W12X11682839
W12X11693094
W12X11703354
W12X11713618
W12X11723886
W12X11734159
W12X11744436
W12X11754717
W12X11765003
W12X11775293
W12X11785587
W12X11795886
W12X11806189
W12X11816496
W12X11826808
W12X11837124

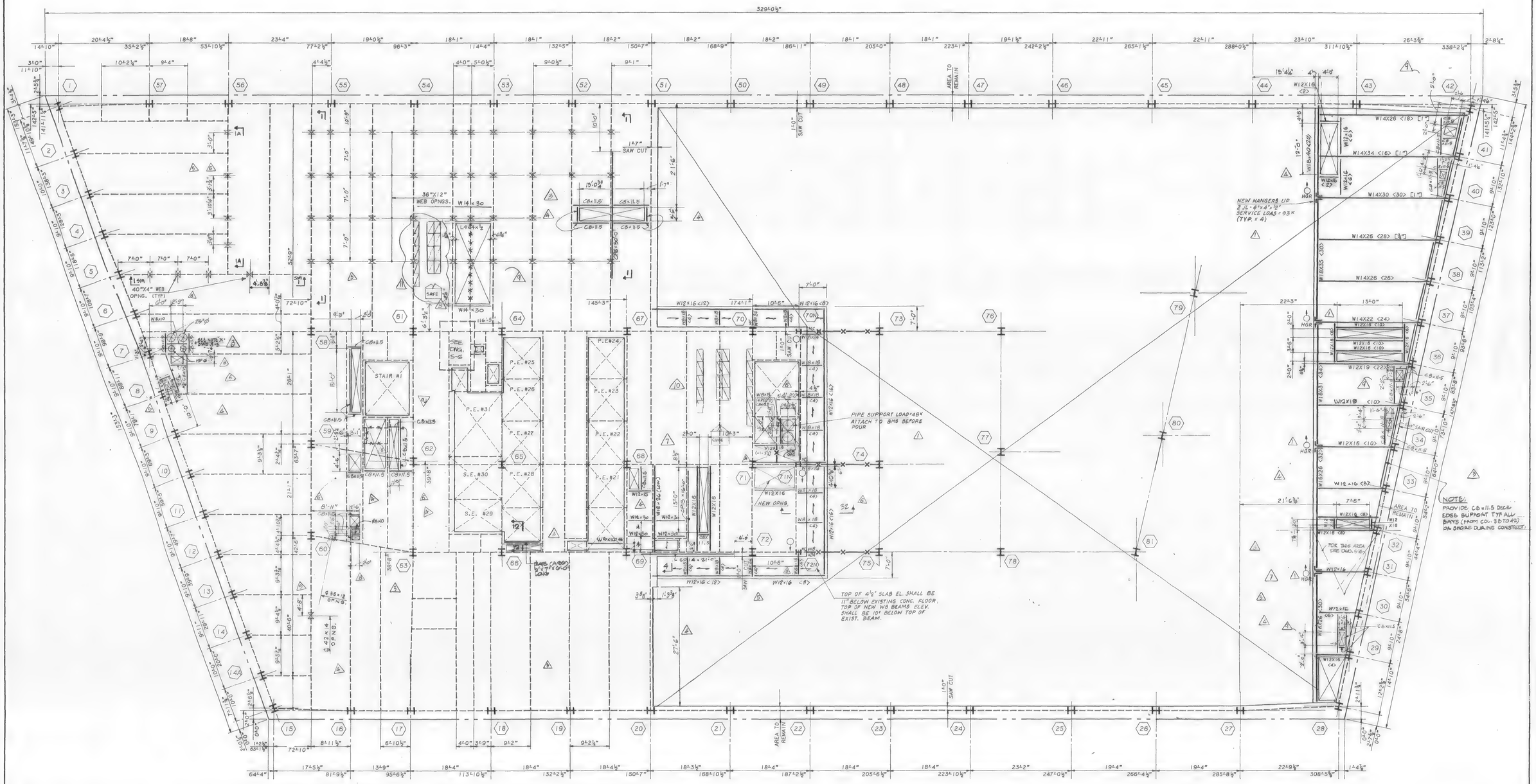

FOR BALANCE OF MULTISTORY SLAB SEE DRAWING S-14
FOR NEW OPNGS IN BM WEBS IN THIS AREA SEE DWG S-5
FOR THIS AREA SEE DWG. S-11
FOR RAISED CONC. FL. SEE ARCH. DWGS. AND TYP. DET. ON DWG. S33
SLAB OVER OPNGS
STAIR #1
STAIR #2
P.E. #20
P.E. #21
P.E. #22
P.E. #23
P.E. #24
P.E. #25
P.E. #26
P.E. #27
P.E. #28
P.E. #29
P.E. #30
P.E. #31
NEW OPNGS
REINF. EX. DK. AS PER TYP. DET.
SEE NOTE "X" DWG S-5
36"x12" OPENINGS (TYP.)
40"x16" WEB OPNG. (TYP.)
RAKE CASED 2"x7"x0'-0" LONG
W12X16
W8X10
W12X19
W12X14
W6X15
W6X9
C8X11.5
C8X13.5
C8X18.75
C9X15
C9X13.4
C12X20.7
C15X33.9
CP15X50.0
CP17.25X50.0
CP17.25X60.0
CP18X70.0
CP18X80.0
CP18X90.0
CP18X100.0
CP18X110.0
CP18X120.0
CP18X130.0
CP18X140.0
CP18X150.0
CP18X160.0
CP18X170.0
CP18X180.0
CP18X190.0
CP18X200.0
CP18X210.0
CP18X220.0
CP18X230.0
CP18X240.0
CP18X250.0
CP18X260.0
CP18X270.0
CP18X280.0
CP18X290.0
CP18X300.0
CP18X310.0
CP18X320.0
CP18X330.0
CP18X340.0
CP18X350.0
CP18X360.0
CP18X370.0
CP18X380.0
CP18X390.0
CP18X400.0
CP18X410.0
CP18X420.0
CP18X430.0
CP18X440.0
CP18X450.0
CP18X460.0


329'-0½"
OPEN TO 20TH FL.
SAW CUT 1½" DEEP
SEE DWG. S-19
SEE NOTE "X" DWG. S-5
1'-0" SAW CUT (TYP.)
REINF. EX. DECK AS PER TYP DET
STAIR #1
NEW OPNGS
SLAB OPNG.
FOR NEW OPNG'S IN BM. WEBS IN THIS AREA SEE DWG. S-6
P.E. #24
P.E. #25
P.E. #26
P.E. #23
P.E. #31
P.E. #27
P.E. #22
S.E. #30
P.E. #28
P.E. #21
S.E. #29
BASE CASED OPNG. 6'-7" x 6'-0" LONG
W8x10
W12x16
W12x26
W8x24
W8x28
W8x31
W8x35
W8x40
W8x48
W8x58
W8x67
W12x72
W12x79
W12x87
W12x96
W12x106
W12x120
W12x136
W12x152
W12x170
W12x190
W12x210
W12x230
W12x252
W12x279
W12x305
W12x336
W12x361
W12x395
W12x426
W12x454
W12x485
W12x515
W12x550
W12x585
W12x624
W12x666
W12x710
W12x756
W12x805
W12x858
W12x914
W12x975
W12x1041
W12x1111
W12x1184
W12x1263
W12x1347
W12x1437
W12x1533
W12x1636
W12x1745
W12x1862
W12x1986
W12x2118
W12x2259
W12x2410
W12x2571
W12x2742
W12x2924
W12x3118
W12x3325
W12x3545
W12x3779
W12x4029
W12x4295
W12x4579
W12x4882
W12x5205
W12x5550
W12x5918
W12x6311
W12x6730
W12x7178
W12x7657
W12x8170
W12x8719
W12x9307
W12x9936
W12x10609
W12x11329
W12x12100
W12x12925
W12x13809
W12x14756
W12x15771
W12x16859
W12x18025
W12x19275
W12x20615
W12x22050
W12x23585
W12x25225
W12x26975
W12x28840
W12x30825
W12x32935
W12x35185
W12x37585
W12x40140
W12x42860
W12x45750
W12x48820
W12x52080
W12x55540
W12x59210
W12x63100
W12x67230
W12x71610
W12x76260
W12x81190
W12x86420
W12x91960
W12x97830
W12x104050
W12x110640
W12x117630
W12x125040
W12x132900
W12x141240
W12x150090
W12x159480
W12x169440
W12x180010
W12x191230
W12x203140
W12x215790
W12x229230
W12x243510
W12x258690
W12x274830
W12x291990
W12x310230
W12x329630
W12x350270
W12x372230
W12x395610
W12x420510
W12x447030
W12x475290
W12x505410
W12x537510
W12x571710
W12x608130
W12x646910
W12x688190
W12x732110
W12x778830
W12x828510
W12x881410
W12x937710
W12x997590
W12x1061250
W12x1128890
W12x1200730
W12x1277010
W12x1357970
W12x1443850
W12x1534930
W12x1631490
W12x1733850
W12x1842330
W12x1957290
W12x2079090
W12x2208130
W12x2344810
W12x2489570
W12x2642850
W12x2805130
W12x2976890
W12x3158650
W12x3350930
W12x3554290
W12x3769290
W12x3996530
W12x4236610
W12x4490170
W12x4757850
W12x5040330
W12x5338290
W12x5652450
W12x5983530
W12x6332290
W12x6699530
W12x7086050
W12x7492690
W12x7920290
W12x8369730
W12x8841890
W12x9337650
W12x9857890
W12x10403490
W12x10975330
W12x11574290
W12x12201250
W12x12857090
W12x13542690
W12x14259010
W12x15007010
W12x15787650
W12x16601890
W12x17451690
W12x18338050
W12x19261970
W12x20224450
W12x21226490
W12x22269090
W12x23353250
W12x24480010
W12x25650370
W12x26865330
W12x28126890
W12x29436050
W12x30793810
W12x32201170
W12x33659130
W12x35168690
W12x36730850
W12x38347610
W12x40019970
W12x41749930
W12x43539490
W12x45389650
W12x47302410
W12x49279770
W12x51323730
W12x53436290
W12x55619450
W12x57875210
W12x60205570
W12x62612530
W12x65098090
W12x67664250
W12x70313010
W12x73046370
W12x75866330
W12x78774890
W12x81774050
W12x84865810
W12x88052170
W12x91335130
W12x94716690
W12x98198850
W12x101783610
W12x105472970
W12x109268930
W12x113173490
W12x117188650
W12x121316410
W12x125558770
W12x129917730
W12x134395290
W12x138993450
W12x143714210
W12x148559570
W12x153531530
W12x158632090
W12x163863250
W12x169227010
W12x174725370
W12x180360330
W12x186133890
W12x192048050
W12x198104810
W12x204306170
W12x210654130
W12x217150690
W12x223797850
W12x230597610
W12x237551970
W12x244662930
W12x251932490
W12x259362650
W12x266955410
W12x274712770
W12x282636730
W12x290729290
W12x298992450
W12x307428210
W12x316038570
W12x324825530
W12x333791090
W12x342937250
W12x352266010
W12x361779370
W12x371479330
W12x381367890
W12x391447050
W12x401718810
W12x412185170
W12x422848130
W12x433709690
W12x444771850
W12x456036610
W12x467505970
W12x479181930
W12x491066490
W12x503161650
W12x515469410
W12x527991770
W12x540730730
W12x553688290
W12x566866450
W12x580267210
W12x593892570
W12x607744530
W12x621825090
W12x636136250
W12x650680010
W12x665458370
W12x680473330
W12x695726890
W12x711221050
W12x726957810
W12x742939170
W12x759167130
W12x775643690
W12x792370850
W12x809350610
W12x826584970
W12x844075930
W12x861825490
W12x879835650
W12x898108410
W12x916645770
W12x935449730
W12x954522290
W12x973865450
W12x993481210
W12x1013371570
W12x1033538530
W12x1053984090
W12x1074710250
W12x1095719010
W12x1117012370
W12x1138592330
W12x1160460890
W12x1182620050
W12x1205071810
W12x1227818170
W12x1250861130
W12x1274202690
W12x1297844850
W12x1321789610
W12x1346038970
W12x1370594930
W12x1395459490
W12x1420634650
W12x1446122410
W12x1471924770
W12x1498043730
W12x1524481290
W12x1551239450
W12x1578320210
W12x1605725570
W12x1633457530
W12x1661518090
W12x1689909250
W12x1718633010
W12x1747691370
W12x1777086330
W12x1806819890
W12x1836894050
W12x1867310810
W12x1898072170
W12x1929180130
W12x1960636690
W12x1992443850
W12x2024603610
W12x2057117970
W12x2089989930
W12x2123221490
W12x2156814650
W12x2190771410
W12x2225093770
W12x2259783730
W12x2294843290
W12x2330274450
W12x2366079210
W12x2402259570
W12x2438817530
W12x2475755090
W12x2513074250
W12x2550777010
W12x2588865370
W12x2627341330
W12x2666206890
W12x2705464050
W12x2745114810
W12x2785161170
W12x2825605130
W12x2866448690
W12x2907693850
W12x2949342610
W12x2991396970
W12x3033858930
W12x3076730490
W12x3120013650
W12x3163710410
W12x3207822770
W12x3252352730
W12x3297302290
W12x3342673450
W12x3388468210
W12x3434688570
W12x3481336530
W12x3528414090
W12x3575923250
W12x3623866010
W12x3672244370
W12x3721060330
W12x3770315890
W12x3820013050
W12x3870153810
W12x3920740170
W12x3971775130
W12x4023260690
W12x4075198850
W12x4127591610
W12x4180441970
W12x4233751930
W12x4287523490
W12x4341758650
W12x4396459410
W12x4451627770
W12x4507265730
W12x4563376290
W12x4619961450
W12x4677023210
W12x4734563570
W12x4792584530
W12x4851088090
W12x4910076250
W12x4969551010
W12x5029514370
W12x5089968330
W12x5150915890
W12x5212358050
W12x5274297810
W12x5336737170
W12x5399678130
W12x5463123690
W12x5527075850
W12x5591536610
W12x5656507970
W12x5721991930
W12x5787990490
W12x5854505650
W12x5921539410
W12x5989094770
W12x6057172730
W12x6125775290
W12x6194904450
W12x6264562210
W12x6334750570
W12x6405471530
W12x6476727090
W12x6548519250
W12x6620850010
W12x6693719370
W12x6767130330
W12x6841084890
W12x6915584050
W12x6990630810
W12x7066226170
W12x7142372130
W12x7219070690
W12x7296323850
W12x7374133610
W12x7452501970
W12x7531430930
W12x7610922490
W12x7690978650
W12x7771601410
W12x7852792770
W12x7934554730
W12x8016890290
W12x8099801450
W12x8183290210
W12x8267356570
W12x8352003530
W12x8437233090
W12x8523047250
W12x8609448010
W12x8696437370
W12x8784017330
W12x8872190890
W12x8960959050
W12x9050323810
W12x9140288170
W12x9230854130
W12x9322024690
W12x9413801850
W12x9506187610
W12x9599183970
W12x9692792930
W12x9787016490
W12x9881856650
W12x9977315410
W12x10073395770
W12x10170099730
W12x10267429290
W12x10365386450
W12x10463973210
W12x10563191570
W12x10663043530
W12x10763531090
W12x10864656250
W12x10966421010
W12x11068828370
W12x11171880330
W12x11275578890
W12x11379926050
W12x11484923810
W12x11590574170
W12x11696879130
W12x11803841690
W12x11911463850
W12x12019747610
W12x12128695970
W12x12238310930
W12x12348595490
W12x12459551650
W12x12571182410
W12x12683490770
W12x12796478730
W12x12910149290
W12x13024505450
W12x13139549210
W12x13255283570
W12x13371711530
W12x13488836090
W12x13606660250
W12x13725187010
W12x13844420370
W12x13964362330
W12x14085016890
W12x14206386050
W12x14328473810
W12x14451283170
W12x14574817130
W12x14699079690
W12x14824073850
W12x14949802610
W12x15076269970
W12x15203478930
W12x15331432490
W12x15460133650
W12x15589585410
W12x15719790770
W12x15850752730
W12x15982475290
W12x16114961450
W12x16248214210
W12x16382236570
W12x16517031530
W12x16652603090
W12x16788954250
W12x16926088010
W12x17064007370
W12x17202715330
W12x17342214890
W12x17482509050
W12x17623600810
W12x17765493170
W12x17908189130
W12x18051692690
W12x18196006850
W12x18341134610
W12x18487079970
W12x18633845930
W12x18781435490
W12x18929851650
W12x19079096410
W12x19229173770
W12x19380086730
W12x19531838290
W12x19684431450
W12x19837869210
W12x19992154570
W12x20147290530
W12x20303280090
W12x20460126250
W12x20617832010
W12x20776400370
W12x20935834330
W12x21096137890
W12x21257314050
W12x21419366810
W12x21582299170
W12x21746114130
W12x21910815690
W12x22076406850
W12x22242890610
W12x22410269970
W12x22578547930
W12x22747726490
W12x22917808650
W12x23088797410
W12x23260696770
W12x23433509730
W12x23607239290
W12x23781888450
W12x23957460210
W12x24133957570
W12x24311383530
W12x24489741090
W12x24669033250
W12x24849263010
W12x25030433370
W12x25212547330
W12x25395608890
W12x25579620050
W12x25764583810
W12x25950503170
W12x26137381130
W12x26325220690
W12x26514024850
W12x26703796610
W12x26894538970
W12x27086254930
W12x27278947490
W12x27472619650
W12x27667274410
W12x27862914770
W12x28059543730
W12x28257164290
W12x28455779450
W12x28655392210
W12x28856005570
W12x29057622530
W12x29260246090
W12x29463879250
W12x29668525010
W12x29874186370
W12x30080866330
W12x30288567890
W12x30497293050
W12x30707044810
W12x30917826170
W12x31129640130
W12x31342489690
W12x31556377850
W12x31771307610
W12x31987281970
W12x32204303930
W12x32422376490
W12x32641502650
W12x32861685410
W12x33082927770
W12x33305232730
W12x33528603290
W12x33753042450
W12x33978553210
W12x34205138570
W12x34432801530
W12x34661545090
W12x34891372250
W12x35122286010
W12x35354289370
W12x35587385330
W12x35821576890
W12x36056867050
W12x36293258810
W12x36530755170
W12x36769359130
W12x37009074690
W12x37249904850
W12x37491852610
W12x37734920970
W12x37979112930
W12x38224431490
W12x38470879650
W12x38718460410
W12x38967176770
W12x39217031730
W12x39468028290
W12x39720169450
W12x39973458210
W12x40227897570
W12x40483490530
W12x40740240090
W12x40998149250
W12x41257221010
W12x41517458370
W12x41778864330
W12x42041441890
W12x42305193050
W12x42570121810
W12x42836231170
W12x43103524130
W12x43372004690
W12x43641675850
W12x43912540610
W12x44184601970
W12x44457862930
W12x44732326490
W12x45007995650
W12x45284873410
W12x45562962770
W12x45842266730
W12x46122788290
W12x46404530450
W12x46687496210
W12x46971688570
W12x47257110530
W12x47543765090
W12x47831655250
W12x48120784010
W12x48411154370
W12x48702769330
W12x48995632890
W12x49289747050
W12x49585115810
W12x49881742170
W12x50179629130
W12x50478780690
W12x50779199850
W12x51080890610
W12x51383855970
W12x51688098930
W12x51993622490
W12x52300429650
W12x52608523410
W12x52917907770
W12x53228585730
W12x53540560290
W12x53853834450
W12x54168411210
W12x54484294570
W12x54801487530
W12x55119993090
W12x55439814250
W12x55760954010
W12x56083415370
W12x56407201330
W12x56732315890
W12x57058762050
W12x57386543810
W12x57715664170
W12x58046126130
W12x58377933690
W12x58711089850
W12x59045597610
W12x59381460970
W12x59718682930
W12x60057266490
W12x60397214650
W12x60738530410
W12x61081217770
W12x61425279730
W12x61770719290
W12x62117539450
W12x62465743210
W12x62815333570
W12x63166313530
W12x63518686090
W12x63872454250
W12x64227621010
W12x64584189370
W12x64942162330
W12x65301542890
W12x65662334050
W12x66024539810
W12x66388163170
W12x66753208130
W12x67119678690
W12x67487577850
W12x67856908610
W12x68227674970
W12x68599879930
W12x68973526490
W12x69348617650
W12x69725156410
W12x70103146770
W12x70482591730
W12x70863494290
W12x71245858450
W12x71629688210
W12x72014986570
W12x72401756530
W12x72790001090
W12x73179724250
W12x73570929010
W12x73963619370
W12x74357798330
W12x74753469890
W12x75150636050
W12x75549300810
W12x75949467170
W12x76351138130
W12x76754317690
W12x77159008850
W12x77565215610
W12x77972940970
W12x78382188930
W12x78792962490
W12x79205265650
W12x79619102410
W12x80034476770
W12x80451391730
W12x80869851290
W12x81289859450
W12x81711419210
W12x82134534570
W12x82559208530
W12x82985445090
W12x83413247250
W12x83842619010
W12x84273563370
W12x84706083330
W12x85140182890
W12x85575865050
W12x86013133810
W12x86451992170
W12x86892444130
W12x87334493690
W12x87778143850
W12x88223397610
W12x88670258970
W12x89118730930
W12x89568817490
W12x90020521650
W12x90473847410
W12x90928797770
W12x91385376730
W12x91843587290
W12x92303433450
W12x92764919210
W12x93228047570
W12x93692821530
W12x94159245090
W12x94627322250
W12x95097056010
W12x95568450370
W12x96041508330
W12x96516234890
W12x96992632050
W12x97470703810
W12x97950453170
W12x98431883130
W12x98914997690
W12x99399799850
W12x99886292610
W12x100374479970
W12x100864365930
W12x101355953490
W12x101849246650
W12x102344248410
W12x102840962770
W12x103339392730
W12x103839541290
W12x104341412450
W12x104845009210
W12x105350335570
W12x105857394530
W12x106366190090
W12x106876725250
W12x107389004010
W12x107903029370
W12x108418805330
W12x108936335890
W12x109455624050
W12x109976673810
W12x110499488170
W12x111024071130
W12x111550426690
W12x112078558850
W12x112608470610
W12x113140165970
W12x113673648930
W12x114208922490
W12x114745989650
W12x115284854410
W12x115825520770
W12x116367991730
W12x116912271290
W12x117458363450
W12x118006271210
W12x118555998570
W12x119107548530
W12x119660925090
W12x120216132250
W12x120773174010
W12x121332054370
W12x121892777330
W12x122455346890
W12x123019766050
W12x123586038810
W12x124154167170
W12x124724155130
W12x125296006690
W12x125869725850
W12x126445315610
W12x127022779970
W12x127602122930
W12x128183347490
W12x128766457650
W12x129351457410
W12x129938350770
W12x130527141730
W12x131117834290
W12x131710431450
W12x132304937210
W12x132901355570
W12x133499690530
W12x134099946090
W12x134702125250
W12x135306232010
W12x135912270370
W12x136520243330
W12x137130155890
W12x137742010050
W12x138355810810
W12x138971562170
W12x139589268130
W12x140208933690
W12x140830562850
W12x141454159610
W12x142079727970
W12x142707271930
W12x143336795490
W12x143968301650
W12x144601794410
W12x145237277770
W12x145874755730
W12x146514231290
W12x147155708450
W12x147799191210
W12x148444683570
W12x149092188530
W12x149741710090
W12x150393252250
W12x151046818010
W12x151702411370
W12x152360036330
W12x153019696890
W12x153681396050
W12x154345138810
W12x155010928170
W12x155678768130
W12x156348662690
W12x157020615850
W12x157694630610
W12x158370710970
W12x159048860930
W12x159729083490
W12x160411382650
W12x161095762410
W12x161782226770
W12x162470778730
W12x163161422290
W12x163854161450
W12x164549000210
W12x165245943570
W12x165944994530
W12x166646156090
W12x167349432250
W12x168054827010
W12x168762344370
W12x169471987330
W12x170183760890
W12x170897667050
W12x171613710810
W12x172331895170
W12x173052223130
W12x173774698690
W12x174499325850
W12x175226107610
W12x175955047970
W12x176686150930
W12x177419419490
W12x178154857650
W12x178892468410
W12x179632255770
W12x180374223730
W12x181118375290
W12x181864714450
W12x182613245210
W12x183363970570
W12x184116894530
W12x184872020090
W12x185629352250
W12x186388894010
W12x187150648370
W12x187914619330
W12x188680810890
W12x189449227050
W12x190219871810
W12x190992749170
W12x191767863130
W12x192545217690
W12x193324816850
W12x194106664610
W12x194890764970
W12x195677121930
W12x196465739490
W12x197256621650
W12x198049771410
W12x198845192770
W12x199642889730
W12x200442865290
W12x201245123450
W12x202049668210
W12x202856503570
W12x203665633530
W12x204477062090
W12x205290793250
W12x206106831010
W12x206925179370
W12x207745842330
W12x208568824890
W12x209394130050
W12x210221762810
W12x211051727170
W12x211884027130
W12x212718666690
W12x213555649850
W12x214394980610
W12x215236662970
W12x216080700930
W12x216927098490
W12x217775860650
W12x218626991410
W12x219480494770
W12x220336374730
W12x221194634290
W12x222055278450
W12x222918311210
W12x223783736570
W12x224651558530
W12x225521781090
W12x226394408250
W12x227269444010
W12x228146892370
W12x229026757330
W12x229909043890
W12x230793755050
W12x231680894810
W12x232570467170
W12x233462476130
W12x234356925690
W12x235253819850
W12x236153162610
W12x237054957970
W12x237959209930
W12x238865922490
W12x239775099650
W12x240686745410
W12x241600863770
W12x242517458730
W12x243436534290
W12x244358094450
W12x245282143210
W12x246208684570
W12x247137722530
W12x248069260090
W12x249003301250
W12x249939850010
W12x250878910370
W12x251820485330
W12x252764579890
W12x253711196050
W12x254660337810
W12x255612008170
W12x256566211130
W12x257522950690
W12x258482230850
W12x259444054610
W12x260408425970
W12x261375348930
W12x262344826490
W12x263316861650
W12x264291458410
W12x265268620770
W12x266248350730
W12x267230652290
W12x268215529450
W12x269202985210
W12x270193023570
W12x271185647530
W12x272180861090
W12x273178668250
W12x274179073010
W12x275182079370
W12x276187691330
W12x277195912890
W12x278206748050
W12x279220200810
W12x280236275170
W12x281254975130
W12x282276304690
W12x283300265850
W12x284326862610
W12x285356098970
W12x286387979930
W12x287422508490
W12x288459688650
W12x289499524410
W12x290542019770
W12x291587178730
W12x292635005290
W12x293685503450
W12x294738677210
W12x295794530570
W12x296853066530
W12x297914289090
W12x298978202250
W12x300044810010
W12x301114116370
W12x302186125330
W12x303260840890
W12x304338266050
W12x305418404810
W12x306501261170
W12x307586839130
W12x308675143690
W12x309766177850
W12x310859945610
W12x311956450970
W12x313055697930
W12x314157689490
W12x315262429650
W12x316369922410
W12x317480171770
W12x318593181730
W12x319708956290
W12x320827499450
W12x321948815210
W12x323072907570
W12x324199780530
W12x325329437090
W12x326461881250
W12x327597117010
W12x328735147370
W12x329875976330
W12x331019607890
W12x332166045050
W12x333315291810
W12x334467351170
W12x335622226130
W12x336779920690
W12x337940438850
W12x339103783610
W12x340269958970
W12x341438967930
W12x342610813490
W12x343785499650
W12x344962029410
W12x346141406770
W12x347323634730
W12x348508716290
W12x349696655450
W12x350887455210
W12x352081119570
W12x353277651530
W12x354477054090
W12x355679330250
W12x356884483010
W12x358092515370
W12x359303430330
W12x360517230890
W12x361733920050
W12x362953501810
W12x364175979170
W12x365401355130
W12x366629633690
W12x367860817850
W12x369094910610
W12x370331914970
W12x371571834930
W12x372814672490
W12x374060430650
W12x375309112410
W12x376560720770
W12x377815257730
W12x379072726290
W12x380333129450
W12x381596470210
W12x382862751570
W12x384131975530
W12x385404145090
W12x386679263250
W12x387957333010
W12x389238357370
W12x390522339330
W12x391809282890
W12x393099190050
W12x394392063810
W12x395687907170
W12x396986723130
W12x398288514690
W12x399593284850
W12x400901035610
W12x402211770970
W12x403525492930
W12x404842204490
W12x406161908650
W12x407484608410
W12x408810306770
W12x410139006730
W12x411470711290
W12x412805423450
W12x414143146210
W12x415483882570
W12x416827635530
W12x418174408090
W12x419524203250
W12x420877024010
W12x422232873370
W12x423591754330
W12x424953670890
W12x426318625050
W12x427686620810
W12x429057661170
W12x430431749130
W12x431808887690
W12x433189079850
W12x434572328610
W12x435958636970
W12x437348008930
W12x438740446490
W12x440135953650
W12x441534533410
W12x442936189770
W12x444340925730
W12x445748744290
W12x447159649450
W12x448573644210
W12x449990732570
W12x451410917530
W12x452834202090
W12x454260590250
W12x455690085010
W12x457122690370
W12x458558409330
W12x459997245890
W12x461439203050
W12x462884284810
W12x464332494170
W12x465783834130
W12x467238308690
W12x468695920850
W12x470156673610
W12x471620569970
W12x473087608930
W12x474557793490
W12x476031127650
W12x477507615410
W12x478987260770
W12x480470067730
W12x481956039290
W12x483445179450
W12x484937492210
W12x486432981570
W12x487931651530
W12x489433506090
W12x490938549250
W12x492446785010
W12x493958217370
W12x495472850330
W12x496990687890
W12x498511733050
W12x500035990810
W12x501563464170
W12x503094158130
W12x504628076690
W12x506165223850
W12x507705603610
W12x509249219970
W12x510796076930
W12x512346178490
W12x513899528650
W12x515456130410
W12x517015988770
W12x518579106730
W12x520145488290
W12x521715137450
W12x523288057210
W12x524864252570
W12x526443727530
W12x528026486090
W12x529612532250
W12x531201870010
W12x532794503370
W12x534390436330
W12x535989673890
W12x537592219050
W12x539198076810
W12x540807250170
W12x542419743130
W12x544035559690
W12x545654703850
W12x547277179610
W12x548902990970
W12x550532141930
W12x552164636490
W12x553800478650
W12x555439672410
W12x557082221770
W12x558728130730
W12x560377402290
W12x562030041450
W12x563686052210
W12x565345438570
W12x567008204530
W12x568674353090
W12x570343889250
W12x572016817010
W12x573693142370
W12x575372869330
W12x577056002890
W12x578742546050
W12x580432503810
W12x582125879170
W12x583822677130
W12x585522902690
W12x587226559850
W12x588933652610
W12x590644184970
W12x592358161930
W12x594075586490
W12x595796462650
W12x597520795410
W12x599248589770
W12x600979849730
W12x602714578290
W12x604452779450
W12x606194458210
W12x607939618570
W12x609688263530
W12x611440397090
W12x613196023250
W12x614955146010
W12x616717769370
W12x618483897330
W12x620253533890
W12x622026682050
W12x623803346810
W12x625583531170
W12x627367238130
W12x629154472690
W12x630945238850
W12x632739540610
W12x634537381970
W12x636338766930
W12x638143699490
W12x639952183650
W12x641764222410
W12x643579819770
W12x645398979730
W12x647221705290
W12x649048000450
W12x650877868210
W12x652711313570
W12x654548339530
W12x656388950090
W12x658233149250
W12x660080940010
W12x661932326370
W12x663787311330
W12x665645898890
W12x667508092050
W12x669373894810
W12x671243310170
W12x673116341130
W12x674992991690
W12x676873264850
W12x678757163610
W12x680644691970
W12x682535852930
W12x684430649490
W12x686329085650
W12x688231164410
W12x690136889770
W12x692046264730
W12x693959292290
W12x695875976450
W12x697796320210
W12x699720327570
W12x701648001530
W12x703579345090
W12x705514361250
W12x707453053010
W12x709395423370
W12x711341475330
W12x713291212890
W12x715244638050
W12x717201754810
W12x719162566170
W12x721127075130
W12x723095284690
W12x725067198850
W12x727042820610
W12x729022153970
W12x731005201930
W12x732991967490
W12x734982453650
W12x736976663410
W12x738974599770
W12x740976265730
W12x742981664290
W12x744990798450
W12x747003671210
W12x749020285570
W12x751040644530
W12x753064751090
W12x755092608250
W12x757124218010
W12x759159583370
W12x761198707330
W12x763241592890
W12x765288242050
W12x767338658810
W12x769392846170
W12x771450807130
W12x773512544690
W12x775578061850
W12x777647360610
W12x779720443970
W12x781797314930
W12x783877976490
W12x785962431650
W12x788050683410
W12x790142734770
W12x792238588730
W12x794338247290
W12x796441713450
W12x798548990210
W12x800660080570
W12x802774987530
W12x804893714090
W12x807016263250
W12x809142638010
W12x811272841370
W12x813406876330
W12x815544746890
W12x817686455050
W12x819832004810
W12x821981398170
W12x824134639130
W12x826291730690
W12x828452676850
W12x830617480610
W12x832786144970
W12x834958672930
W12x837135067490
W12x839315331650
W12x841499468410
W12x843687481770
W12x845879374730
W12x848075150290
W12x850274811450
W12x852478360210
W12x854685800570
W12x856897135530
W12x859112368090
W12x861331501250
W12x863554538010
W12x865781481370
W12x868012334330
W12x870247100890
W12x872485782050
W12x874728381810
W12x876974902170
W12x879225346130
W12x881479717690
W12x883738018850
W12x886000252610
W12x888266421970
W12x890536529930
W12x892810578490
W12x895088570650
W12x897370509410
W12x899656397770
W12x901946237730
W12x904240032290
W12x906537784450
W12x908839496210
W12x911145170570
W12x913454810530
W12x915768418090
W12x918085996250
W12x920407548010
W12x922733076370
W12x925062583330
W12x927396071890
W12x929733544050
W12x932075003810
W12x934420453170
W12x936769895130
W12x939123332690
W12x941480768850
W12x943842205610
W12x946207645970
W12x948577092930
W12x950950549490
W12x953328018650
W12x955709503410
W12x958095006770
W12x960484531730
W12x962878081290
W12x965275658450
W12x967677266210
W12x970082907570
W12x972492585530
W12x974906303090
W12x977324063250
W12x979745869010
W12x982171723370
W12x984601629330
W12x987035590890
W12x989473610050
W12x991915689810
W12x994361833170
W12x996812043130
W12x999266322690
W12x1001724674850
W12x1004187102610
W12x1006653608970
W12x1009124196930
W12x1011598869490
W12x1014077629650
W12x1016560480410
W12x1019047424770
W12x1021538465730
W12x1024033606290
W12x1026532849450
W12x1029036198210
W12x1031543655570
W12x1034055223530
W12x1036570905090
W12x1039090703250
W12x1041614621010
W12x1044142661370
W12x1046674827330
W12x1049211122890
W12x1051751550050
W12x1054296112810
W12x1056844811170
W12x1059397649130
W12x1061954630690
W12x1064515758850
W12x1067081036610
W12x1069650466970
W12x1072224053930
W12x1074801800490
W12x1077383709650
W12x1079969784410
W12x1082560028770
W12x1085154445730
W12x1087753038290
W12x1090355810450
W12x1092962765210
W12x1095573905570
W12x1098189234530
W12x1100808756090
W12x1103432473250
W12x1106060389010
W12x1108692506370
W12x1111328828330
W12x1113969358890
W12x1116614100050
W12x1119263055810
W12x1121916229170
W12x1124573623130
W12x1127235241690
W12x1129901087850
W12x1132571165610
W12x1135245478970
W12x1137924030930
W12x1140606825490
W12x1143293865650
W12x1145985154410
W12x1148680695770
W12x1151380492730
W12x1154084548290
W12x1156792865450
W12x1159505447210
W12x1162222296570
W12x1164943416530
W12x1167668810090
W12x1170398480250
W12x1173132430010
W12x1175870662370
W12x1178613180330
W12x1181359986890
W12x1184111084050
W12x1186866475810
W12x1189626165170
W12x1192390155130
W12x1195158449690
W12x1197931051850
W12x1200707964610
W12x1203489191970
W12x1206274736930
W12x1209064602490
W12x1211858791650
W12x1214657307410
W12x1217460152770
W12x1220267330730
W12x1223078844290
W12x1225894696450
W12x1228714890210
W12x1231539428570
W12x1234368314530
W12x1237201551090
W12x1240039141250
W12x1242881088010
W12x1245727394370
W12x1248578063330
W12x1251433098890
W12x1254292504050
W12x1257156282810
W12x1260024438170
W12x1262896973130
W12x1265773890690
W12x1268655194850
W12x1271540888610
W12x1274430974970
W12x1277325457930
W12x1280224340490
W12x1283127625650
W12x1286035317410
W12x1288947418770
W12x1291863932730
W12x1294784862290
W12x1297710210450
W12x1300639980210
W12x1303574175570
W12x1306512799530
W12x1309455855090
W12x1312403345250
W12x1315355273010
W12x1318311641370
W12x1321272453330
W12x1324237711890
W12x1327207420050
W12x1330181581810
W12x1333160200170
W12x1336143278130
W12x1339130819690
W12x1342122827850
W12x1345119305610
W12x1348120255970
W12x1351125681930
W12x1354135585490
W12x1357149969650
W12x1360168837410
W12x1363192191770
W12x1366220035730
W12x1369252372290
W12x1372289204450
W12x1375330534210
W12x1378376364570
W12x1381426697530
W12x1384481536090
W12x1387540883250
W12x1390604742010
W12x1393673115370
W12x1396746006330
W12x1399823417890
W12x1402905352050
W12x1405991811810
W12x1409082800170
W12x1412178320130
W12x1415278374690
W12x1418382966850
W12x1421492098610
W12x1424605772970
W12x1427723992930
W12x1430846760490
W12x1433974078650
W12x1437105950410
W12x1440242378770
W12x1443383366730
W12x1446528917290
W12x1449679033450
W12x1452833718210
W12x1455992974570
W12x1459156805530
W12x1462325214090
W12x1465498203250
W12x1468675776010
W12x1471857935370
W12x1475044684330
W12x1478236026890
W12x1481431966050
W12x1484632505810
W12x1487837649170
W12x1491047399130
W12x1494261759690
W12x1497480733850
W12x1500704325610
W12x1503932538970
W12x1507165376930
W12x1510402842490
W12x1513644938650
W12x1516891668410
W12x1520143035770
W12x1523399043730
W12x1526659695290
W12x1529924993450
W12x1533194941210
W12x1536469541570
W12x1539748797530
W12x1543032712090
W12x1546321288250
W12x1549614529010
W12x1552912437370
W12x1556215016330
W12x1559522269890
W12x1562834201050
W12x1566150812810
W12x1569472108170
W12x1572798090130
W12x1576128761690
W12x1579464125850
W12x1582804185610
W12x1586148943970
W12x1589498402930
W12x1592852565490
W12x1596211434650
W12x1599575013410
W12x1602943304770
W12x1606316311730
W12x1609694037290
W12x1613076484450
W12x1616463656210
W12x1619855555570
W12x1623252185530
W12x1626653549090
W12x1630059649250
W12x1633470489010
W12x1636886071370
W12x1640306399330
W12x1643731475890
W12x1647161304050
W12x1650595887810
W12x1654035230170
W12x1657479334130
W12x1660928202690
W12x1664381838850
W12x1667840245610
W12x1671303425970
W12x1674771382930
W12x1678244119490
W12x1681721637650
W12x1685203940410
W12x1688691030770
W12x1692182911730
W12x1695679586290
W12x1699181057450
W12x1702687328210
W12x1706198401570
W12x1709714280530
W12x1713234968090
W12x1716760467250
W12x1720290781010
W12x1723825912370
W12x1727365864330
W12x1730910639890
W12x1734460242050
W12x1738014674810
W12x1741573941170
W12x1745138044130
W12x1748706986690
W12x1752280771850
W12x1755859402610
W12x1759442882970
W12x1763031215930
W12x1766624404490
W12x1770222451650
W12x1773825360410
W12x1777433133770
W12x1781045774730
W12x1784663286290
W12x1788285671450
W12x1791912933210
W12x1795545074570
W12x1799182098530
W12x1802824008090
W12x1806470806250
W12x1810122496010
W12x1813779080370
W12x1817440562330
W12x1821106945890
W12x1824778233050
W12x1828454427810
W12x1832135533170
W12x1835821552130
W12x1839512488690
W12x1843208345850
W12x1846909126610
W12x1850614834970
W12x1854325473930
W12x1858041046490
W12x1861761555650
W12x1865487004410
W12x1869217396770
W12x1872952735730
W12x1876693024290
W12x1880438265450
W12x1884188462210
W12x1887943617570
W12x1891703734530
W12x1895468816090
W12x1899238865250
W12x1903013885010
W12x1906793878370
W12x1910578848330
W12x1914368798890
W12x1918163733050
W12x1921963653810
W12x1925768564170
W12x1929578467130
W12x1933393365690
W12x1937213262850
W12x1941038161610
W12x1944868064970
W12x1948702975930
W12x1952542897490
W12x1956387832650
W12x1960237784410
W12x1964092755770
W12x1967952749730
W12x1971817769290
W12x1975687817450
W12x1979562897210
W12x1983443011570
W12x1987328163530
W12x1991218356090
W12x1995113592250
W12x1999013875010
W12x2002919207370
W12x2006829592330
W12x2010745033890
W12x2014665535050
W12x2018591099810
W12x2022521731170
W12x2026457432130
W12x2030398206690
W12x2034344057850
W12x2038294989610
W12x2042251005970
W12x2046212109930
W12x2050178305490
W12x2054149595650
W12x2058125983410
W12x2062107472770
W12x2066094066730
W12x2070085768290
W12x2074082581450
W12x2078084509210
W12x2082091554570
W12x2086103720530
W12x2090121010090
W12x2094143426250
W12x2098170972010
W12x2102203650370
W12x2106241463330
W12x2110284413890
W12x2114332505050
W12x2118385739810
W12x2122444121170
W12x2126507652130
W12x2130576335690
W12x2134650174850
W12x2138729172610
W12x2142813331970
W12x2146902655930
W12x2150997147490
W12x2155096809650
W12x2159201645410
W12x2163311657770
W12x2167426850730
W12x2171547227290
W12x2175672790450
W12x2179803543210
W12x2183939488570
W12x2188080629530
W12x2192226969090
W12x2196378510250
W12x2200535256010
W12x2204697209370
W12x2208864373330
W12x2213036751890
W12x2217214347050
W12x2221397162810
W12x2225585202170
W12x2229778468130
W12x2233976964690
W12x2238180694850
W12x2242389661610
W12x2246603868970
W12x2250823319930
W12x2255048017490
W12x2259277965650
W12x2263513167410
W12x2267753626770
W12x2271999346730
W12x2276250330290
W12x2280506581450
W12x2284768103210
W12x2289034898570
W12x2293306971530
W12x2297584325090
W12x2301866962250
W12x2306154886010
W12x2310448099370
W12x2314746605330
W12x2319050407890
W12x2323359509050
W12x2327673912810
W12x2331993622170
W12x2336318640130
W12x2340648969690
W12x2344984613850
W12x2349325575610
W12x2353671858970
W12x2358023466930
W12x2362380402490
W12x2366742668650
W12x2371110268410
W12x2375483204770
W12x2379861480730
W12x2384245099290
W12x2388634063450
W12x2393028376210
W12x2397428040570
W12x2401833059530
W12x2406243436090
W12x2410659173250
W12x2415080274010
W12x2419506741370
W12x2423938578330
W12x2428375787890
W12x2432818373050
W12x2437266336810
W12x2441719682170
W12x2446178412130
W12x2450642529690
W12x2455112037850
W12x2459586939610
W12x2464067237970
W12x2468552935930
W12x2473044036490
W12x2477540542650
W12x2482042457410
W12x2486549783770
W12x2491062524730
W12x2495580683290
W12x2500104262450
W12x2504633265210
W12x2509167694570
W12x2513707553530
W12x2518252845090
W12x2522803572250
W12x2527359738010
W12x2531921345370
W12x2536488397330
W12x2541060896890
W12x2545638847050
W12x


40TH FLOOR FRAMING PLAN
STAIR #1
STAIR #2
SEE FOLDING DOOR SHOP DWG.
SEE DWG. S-6
SEE DWG. S-11
FOR RAISED CONC. FL. SEE ARCH. DWGS AND TYP. DETS ON DWG. S33
NEW BM. BOTTOM OF BM. EL. (-6'-4½")
W8 X 24 CONT.
36"X12" WEB OPNGS. TYP.
40"X14" WEB OPNG. (TYP.)
SEE WEB OPNG. DWG. S-5
REINF. EX. DK. AS PER TYP. DET'S.
NEW OPNGS
SL. OVER OPNG.
W12X16 (B)
W12 X16
W8X10
W8X24
W12X16
W12X16
W8X10
W8X24
W12X16
W12X16
W12X16


329'-0½"
W12X16 <2>
W14X26 <18> [1"
W14X34 <16> [1"
W14X30 <30> [1"
W14X26 <28> [3"
W14X26 <26>
W14X22 <24>
W12X19 <22>
W12X16 <10>
W12X16 <8>
NEW HANGERS UP 2½"x4"x½" SERVICE LOAD=8K (TYP. x4)
AREA TO REMAIN
SAW CUT
STAIR #1
P.E. #24
P.E. #25
P.E. #26
P.E. #23
P.E. #31
P.E. #27
P.E. #22
P.E. #30
P.E. #28
P.E. #21
S.E. #30
S.E. #29
W12X16
W8X18
W8X15
W8X24
W8X31
W12X16 <87>
W12X16 <67>
W12X16 <57>
W12X16 <47>
W12X16 <37>
W12X16 <27>
W12X16 <17>
W8X35 <30>
W8X28 <30>
W8X31 <30>
W8X24 <30>
W8X18 <30>
W8X15 <30>
W8X10 <30>
W8X18 <29>
W8X15 <29>
W8X10 <29>
W8X18 <28>
W8X15 <28>
W8X10 <28>
W8X18 <27>
W8X15 <27>
W8X10 <27>
W8X18 <26>
W8X15 <26>
W8X10 <26>
W8X18 <25>
W8X15 <25>
W8X10 <25>
W8X18 <24>
W8X15 <24>
W8X10 <24>
W8X18 <23>
W8X15 <23>
W8X10 <23>
W8X18 <22>
W8X15 <22>
W8X10 <22>
W8X18 <21>
W8X15 <21>
W8X10 <21>
W8X18 <20>
W8X15 <20>
W8X10 <20>
W8X18 <19>
W8X15 <19>
W8X10 <19>
W8X18 <18>
W8X15 <18>
W8X10 <18>
W8X18 <17>
W8X15 <17>
W8X10 <17>
W8X18 <16>
W8X15 <16>
W8X10 <16>
W8X18 <15>
W8X15 <15>
W8X10 <15>
W8X18 <14>
W8X15 <14>
W8X10 <14>
W8X18 <13>
W8X15 <13>
W8X10 <13>
W8X18 <12>
W8X15 <12>
W8X10 <12>
W8X18 <11>
W8X15 <11>
W8X10 <11>
W8X18 <10>
W8X15 <10>
W8X10 <10>
W8X18 <9>
W8X15 <9>
W8X10 <9>
W8X18 <8>
W8X15 <8>
W8X10 <8>
W8X18 <7>
W8X15 <7>
W8X10 <7>
W8X18 <6>
W8X15 <6>
W8X10 <6>
W8X18 <5>
W8X15 <5>
W8X10 <5>
W8X18 <4>
W8X15 <4>
W8X10 <4>
W8X18 <3>
W8X15 <3>
W8X10 <3>
W8X18 <2>
W8X15 <2>
W8X10 <2>
W8X18 <1>
W8X15 <1>
W8X10 <1>
W8X18 <0>
W8X15 <0>
W8X10 <0>
W8X18 <-1>
W8X15 <-1>
W8X10 <-1>
W8X18 <-2>
W8X15 <-2>
W8X10 <-2>
W8X18 <-3>
W8X15 <-3>
W8X10 <-3>
W8X18 <-4>
W8X15 <-4>
W8X10 <-4>
W8X18 <-5>
W8X15 <-5>
W8X10 <-5>
W8X18 <-6>
W8X15 <-6>
W8X10 <-6>
W8X18 <-7>
W8X15 <-7>
W8X10 <-7>
W8X18 <-8>
W8X15 <-8>
W8X10 <-8>
W8X18 <-9>
W8X15 <-9>
W8X10 <-9>
W8X18 <-10>
W8X15 <-10>
W8X10 <-10>
W8X18 <-11>
W8X15 <-11>
W8X10 <-11>
W8X18 <-12>
W8X15 <-12>
W8X10 <-12>
W8X18 <-13>
W8X15 <-13>
W8X10 <-13>
W8X18 <-14>
W8X15 <-14>
W8X10 <-14>
W8X18 <-15>
W8X15 <-15>
W8X10 <-15>
W8X18 <-16>
W8X15 <-16>
W8X10 <-16>
W8X18 <-17>
W8X15 <-17>
W8X10 <-17>
W8X18 <-18>
W8X15 <-18>
W8X10 <-18>
W8X18 <-19>
W8X15 <-19>
W8X10 <-19>
W8X18 <-20>
W8X15 <-20>
W8X10 <-20>
W8X18 <-21>
W8X15 <-21>
W8X10 <-21>
W8X18 <-22>
W8X15 <-22>
W8X10 <-22>
W8X18 <-23>
W8X15 <-23>
W8X10 <-23>
W8X18 <-24>
W8X15 <-24>
W8X10 <-24>
W8X18 <-25>
W8X15 <-25>
W8X10 <-25>
W8X18 <-26>
W8X15 <-26>
W8X10 <-26>
W8X18 <-27>
W8X15 <-27>
W8X10 <-27>
W8X18 <-28>
W8X15 <-28>
W8X10 <-28>
W8X18 <-29>
W8X15 <-29>
W8X10 <-29>
W8X18 <-30>
W8X15 <-30>
W8X10 <-30>
W8X18 <-31>
W8X15 <-31>
W8X10 <-31>
W8X18 <-32>
W8X15 <-32>
W8X10 <-32>
W8X18 <-33>
W8X15 <-33>
W8X10 <-33>
W8X18 <-34>
W8X15 <-34>
W8X10 <-34>
W8X18 <-35>
W8X15 <-35>
W8X10 <-35>
W8X18 <-36>
W8X15 <-36>
W8X10 <-36>
W8X18 <-37>
W8X15 <-37>
W8X10 <-37>
W8X18 <-38>
W8X15 <-38>
W8X10 <-38>
W8X18 <-39>
W8X15 <-39>
W8X10 <-39>
W8X18 <-40>
W8X15 <-40>
W8X10 <-40>
W8X18 <-41>
W8X15 <-41>
W8X10 <-41>
W8X18 <-42>
W8X15 <-42>
W8X10 <-42>
W8X18 <-43>
W8X15 <-43>
W8X10 <-43>
W8X18 <-44>
W8X15 <-44>
W8X10 <-44>
W8X18 <-45>
W8X15 <-45>
W8X10 <-45>
W8X18 <-46>
W8X15 <-46>
W8X10 <-46>
W8X18 <-47>
W8X15 <-47>
W8X10 <-47>
W8X18 <-48>
W8X15 <-48>
W8X10 <-48>
W8X18 <-49>
W8X15 <-49>
W8X10 <-49>
W8X18 <-50>
W8X15 <-50>
W8X10 <-50>
W8X18 <-51>
W8X15 <-51>
W8X10 <-51>
W8X18 <-52>
W8X15 <-52>
W8X10 <-52>
W8X18 <-53>
W8X15 <-53>
W8X10 <-53>
W8X18 <-54>
W8X15 <-54>
W8X10 <-54>
W8X18 <-55>
W8X15 <-55>
W8X10 <-55>
W8X18 <-56>
W8X15 <-56>
W8X10 <-56>
W8X18 <-57>
W8X15 <-57>
W8X10 <-57>
W8X18 <-58>
W8X15 <-58>
W8X10 <-58>
W8X18 <-59>
W8X15 <-59>
W8X10 <-59>
W8X18 <-60>
W8X15 <-60>
W8X10 <-60>
W8X18 <-61>
W8X15 <-61>
W8X10 <-61>
W8X18 <-62>
W8X15 <-62>
W8X10 <-62>
W8X18 <-63>
W8X15 <-63>
W8X10 <-63>
W8X18 <-64>
W8X15 <-64>
W8X10 <-64>
W8X18 <-65>
W8X15 <-65>
W8X10 <-65>
W8X18 <-66>
W8X15 <-66>
W8X10 <-66>
W8X18 <-67>
W8X15 <-67>
W8X10 <-67>
W8X18 <-68>
W8X15 <-68>
W8X10 <-68>
W8X18 <-69>
W8X15 <-69>
W8X10 <-69>
W8X18 <-70>
W8X15 <-70>
W8X10 <-70>
W8X18 <-71>
W8X15 <-71>
W8X10 <-71>
W8X18 <-72>
W8X15 <-72>
W8X10 <-72>
W8X18 <-73>
W8X15 <-73>
W8X10 <-73>
W8X18 <-74>
W8X15 <-74>
W8X10 <-74>
W8X18 <-75>
W8X15 <-75>
W8X10 <-75>
W8X18 <-76>
W8X15 <-76>
W8X10 <-76>
W8X18 <-77>
W8X15 <-77>
W8X10 <-77>
W8X18 <-78>
W8X15 <-78>
W8X10 <-78>
W8X18 <-79>
W8X15 <-79>
W8X10 <-79>
W8X18 <-80>
W8X15 <-80>
W8X10 <-80>
W8X18 <-81>
W8X15 <-81>
W8X10 <-81>
NOTE: PROVIDE CB×11.5 DECK BOSS SUPPORT TYP. ALL DAYS (FROM SOLID TO HD) OR SHORE DURING CONSTRUCT.
TOP OF 4½" SLAB EL. SHALL BE 11" BELOW EXISTING CONC. FLOOR. TOP OF NEW W8 BEAMS ELEV. SHALL BE 10" BELOW TOP OF EXISTING BEAMS.
60"X44" WEB OPNG. (TYP)
SEE DWG. S-5
SEE DWG. S-6
RECESS FOR DECK AS PER TYP DETAIL
W12X16
W12X19
W12X26
W12X30
W12X35
W12X40
W12X45
W12X50
W12X53
W12X58
W12X65
W12X72
W12X79
W12X87
W12X96
W12X106
W12X120
W12X136
W12X152
W12X170
W12X190
W12X210
W12X230
W12X252
W12X279
W12X305
W12X336
W12X361
W12X395
W12X426
W12X454
W12X485
W12X504
W12X530
W12X550
W12X585
W12X624
W12X652
W12X679
W12X720
W12X768
W12X806
W12X840
W12X881
W12X926
W12X961
W12X1006
W12X1041
W12X1081
W12X1120
W12X1152
W12X1190
W12X1230
W12X1268
W12X1305
W12X1345
W12X1385
W12X1425
W12X1465
W12X1505
W12X1545
W12X1585
W12X1625
W12X1665
W12X1705
W12X1745
W12X1785
W12X1825
W12X1865
W12X1905
W12X1945
W12X1985
W12X2025
W12X2065
W12X2105
W12X2145
W12X2185
W12X2225
W12X2265
W12X2305
W12X2345
W12X2385
W12X2425
W12X2465
W12X2505
W12X2545
W12X2585
W12X2625
W12X2665
W12X2705
W12X2745
W12X2785
W12X2825
W12X2865


329'-0½"
CP1X33'-0"
CP2X57'-0"
W12X16 (8)
CP4X42'-0"
CP4X40'-0"
W12X16
STAIR #1
STAIR #2
P.E.#24
P.E.#23
P.E.#22
P.E.#21
P.E. #31
P.E.#25
P.E.#27
P.E.#28
S.E. #26
S.E. #30
S.E. #29
56"X12" WEB OPNGS. TYP.
40"X44" WEB OPNG. (TYP)
SEE NOTE X DWG S-5
SEE DWG. S-6
FOR RAISED CONC. FL. SEE ARCH. DWGS AND TYP. DETAILS ON DWG. S-33
NEW OPNGS
SL. OVER OPNGS
W12X16
W12X16
W12X16



43RD FLOOR FRAMING PLAN

NOTES:

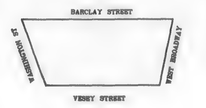
1. TOP OF NEW STEEL SHALL BE 5½" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS. SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.
7. CONTRACTOR TO SUBMIT DETAIL FOR SUPPORT OF EXIST. PIPES IN OPEN AREA FOR ENGINEER'S REVIEW AND APPROVAL.

LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE (A) COMPOSITE METAL DECK OVER EXIST. OPENING & BALCONIES
4. INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. INDICATES NEW STEEL FRAMING.
6. INDICATES EXISTING STEEL FRAMING.
7. INDICATES EXISTING SLAB OPENING.
8. INDICATES NEW SLAB OPENING.
9. (...N) INDICATES NEW POST OR COLUMNS TO BE W8x28 U.O.N.
10. INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N.
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33
12. * INDICATES CO-ORDINATE LOCATION OF BEAM WITH ELEVATOR SHOP DWGS.

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
11	7/22/94	REVISED AS NOTED
10	4/25/94	REVISED AS CIRCLED
9	1/18/90	ISSUED FOR BULLETIN NO 45 -
8	8/15/89	REVISED AS CIRCLED
7	6/23/89	REVISED AS CIRCLED
6	4/6/89	REVISED AS CIRCLED
5	2/1/89	REVISED AS CIRCLED
4	11/30/88	REVISED AS CIRCLED
3	11/3/88	ISSUED FOR COMMENT
2	12/15/88	REV. AS CIRCLED
1	12/1/88	REVISED AS CIRCLED FOR PERMIT SET
	NOV. 7, 88	REVISION TO 10/31/88 SUBMISSION
	OCT 31, 88	ISSUED TO BLD. DEPT. FOR APPROVAL OF BASE BLDG MODIFICATION

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

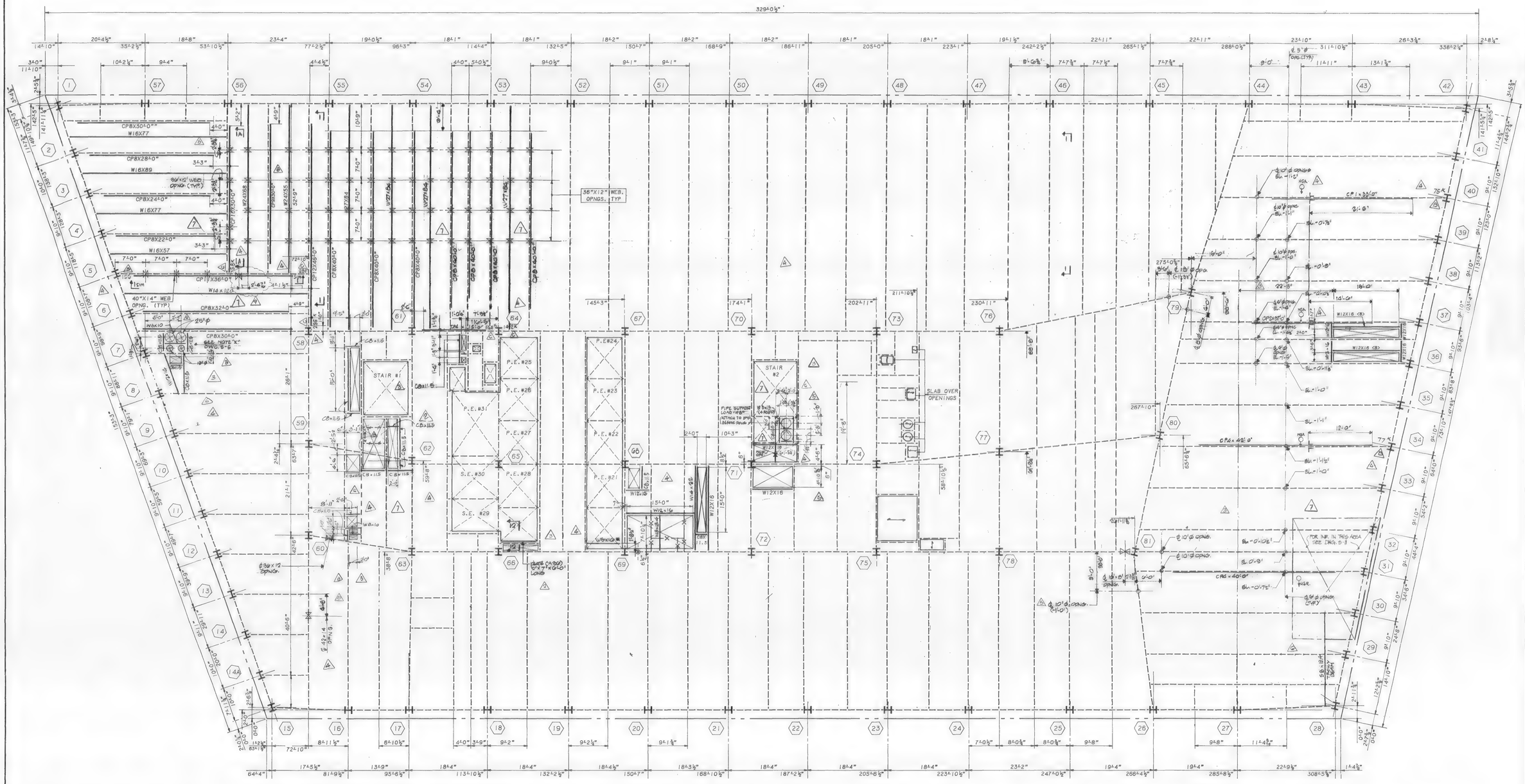
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER THE CANTOR/SEINUK GROUP

43RD FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill, 1988

Project No:
Date:
Scale:
Sheet No. S18

88057



44TH FLOOR FRAMING PLAN

NOTES:

1. TOP OF NEW STEEL SHALL BE 5⅛" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.
7. ALL PLUMBING & ELE TO BE VERIFIED WITH PLUMBING SHOP DWGS. BEFORE PROCEEDING WITH WORK.

LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. INDICATES NEW STEEL FRAMING.
6. INDICATES EXISTING STEEL FRAMING.
7. INDICATES EXISTING SLAB OPENING.
8. INDICATES NEW SLAB OPENING.
9. INDICATES NEW POST OR COLUMN.
10. INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS ± FROM TOP OF STEEL BEAM
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33
12. INDICATES TYPE OF EXISTING CONNECTION REINF. DETAIL, SEE DETAIL ON DWG. S-33

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
9	10/10/89	REVISED AS CIRCLED
8	8/15/89	REVISED AS CIRCLED
7	5/23/89	REVISED AS CIRCLED
6	4/6/89	REVISED AS CIRCLED
5	3/1/89	REVISED AS CIRCLED
4	1/24/89	REVISED AS CIRCLED
	1/3/89	ISSUED FOR CONST.
3	12/22/88	REVISED AS CIRCLED
2	12/11/88	REVISION AS CIRCLED FOR ALTS BLDG
1	NOV. 7, 88	REVISION TO 10/6/88 SUBMISSION
	OCT. 31, 88	ISSUED TO R.A. FOR APPROVAL OF BASE BLDG MODIFICATION

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

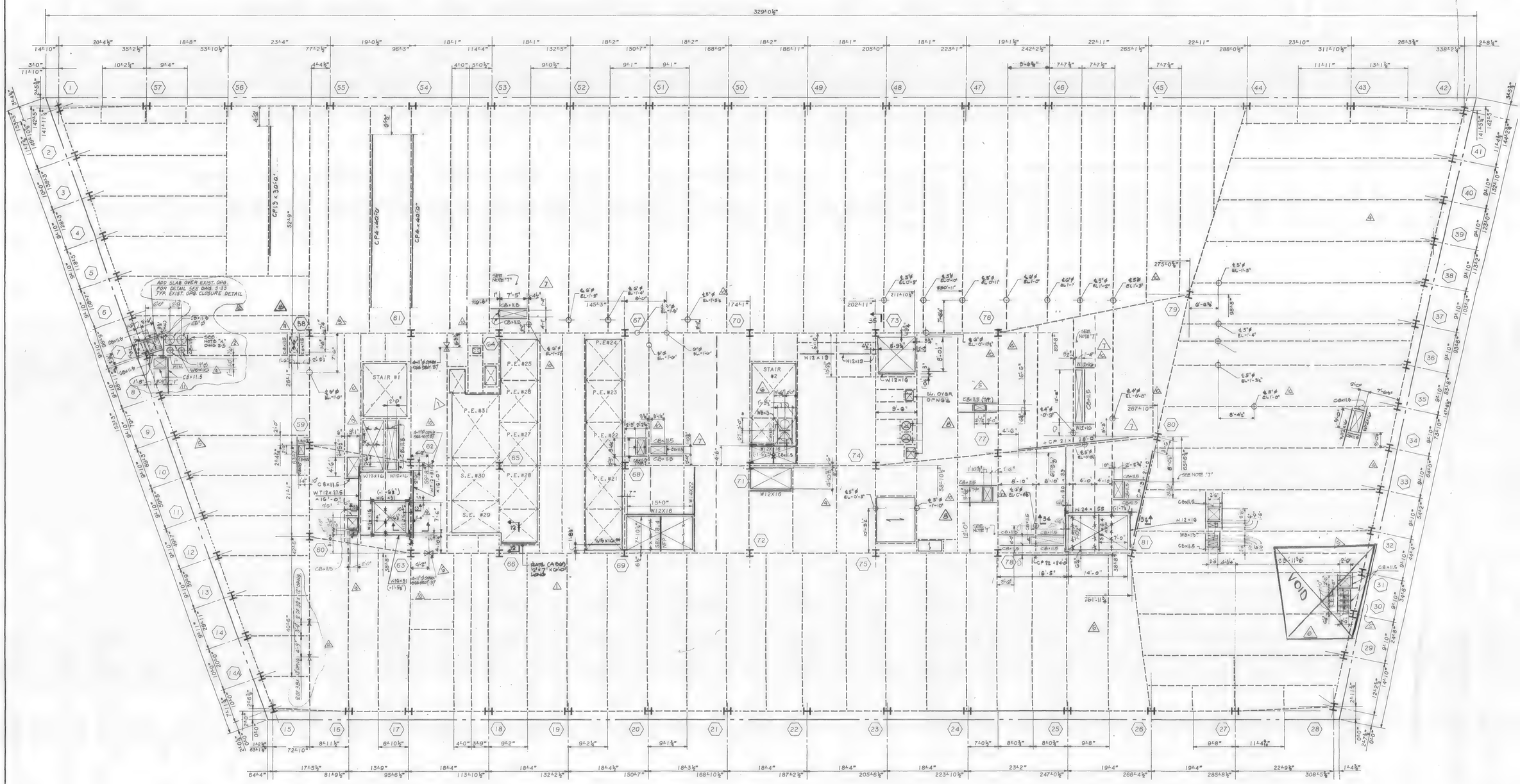
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR SEINUK GROUP

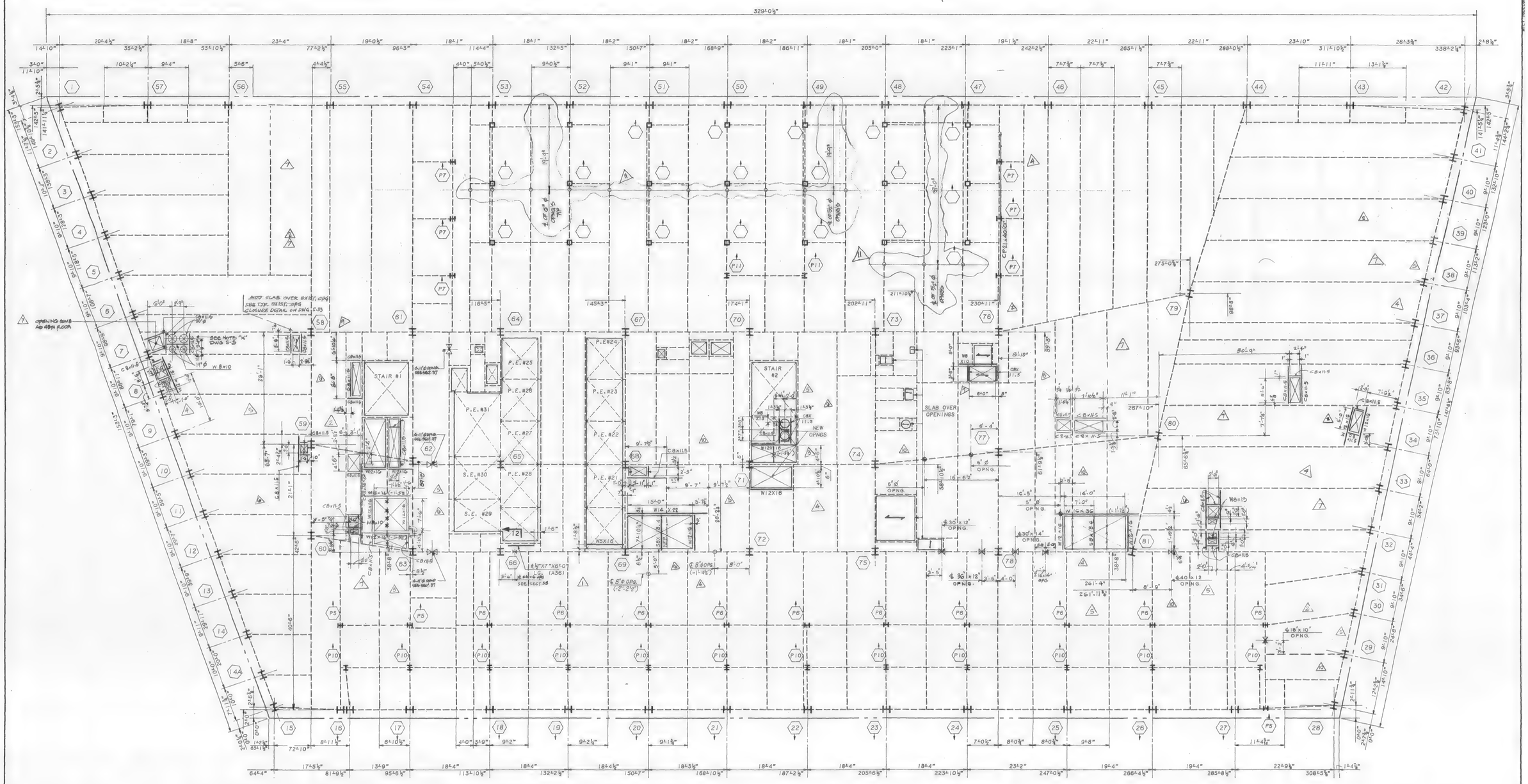
44TH FLOOR FRAMING PLAN

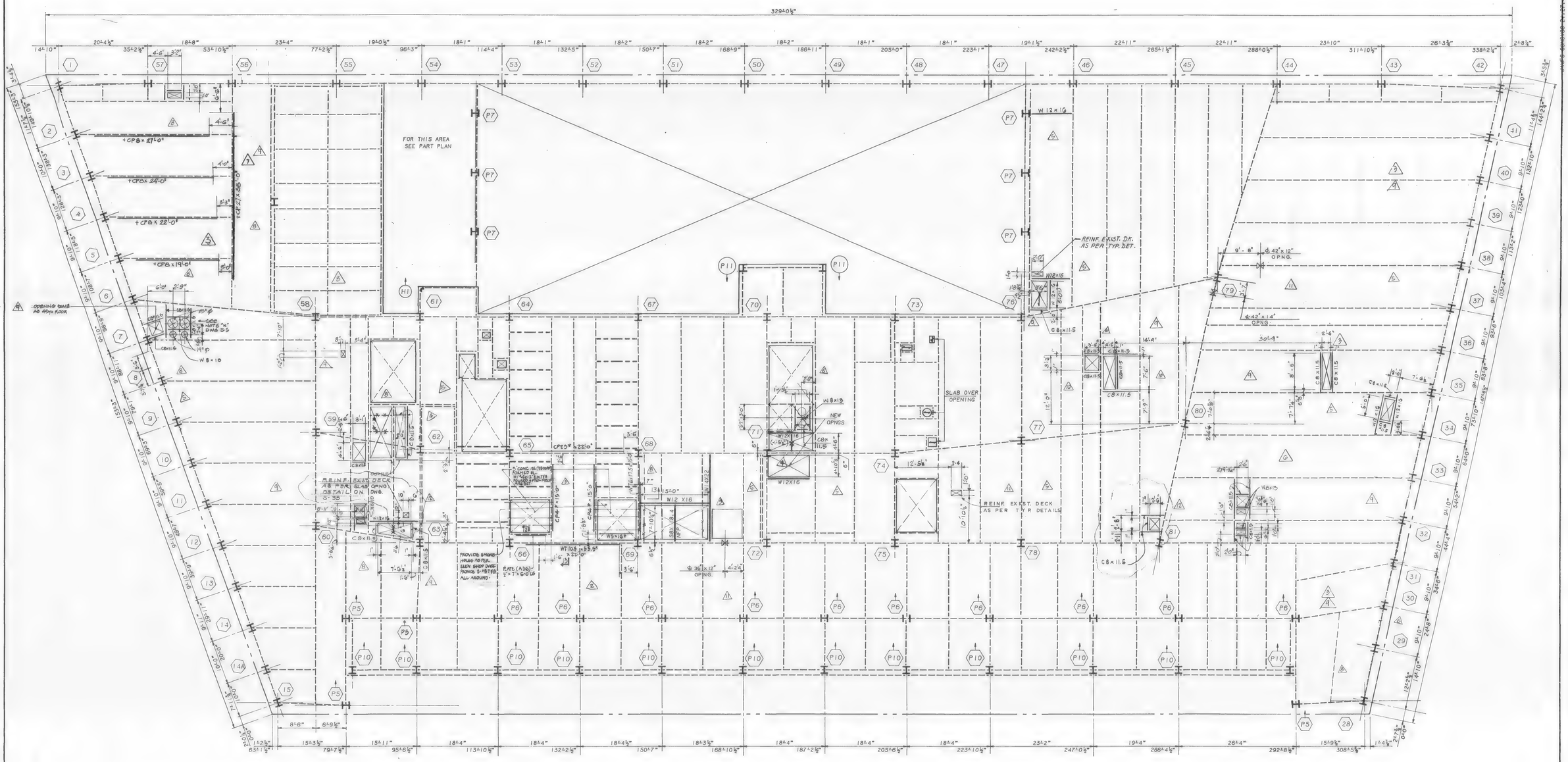
© Skidmore, Owings & Merrill 1988

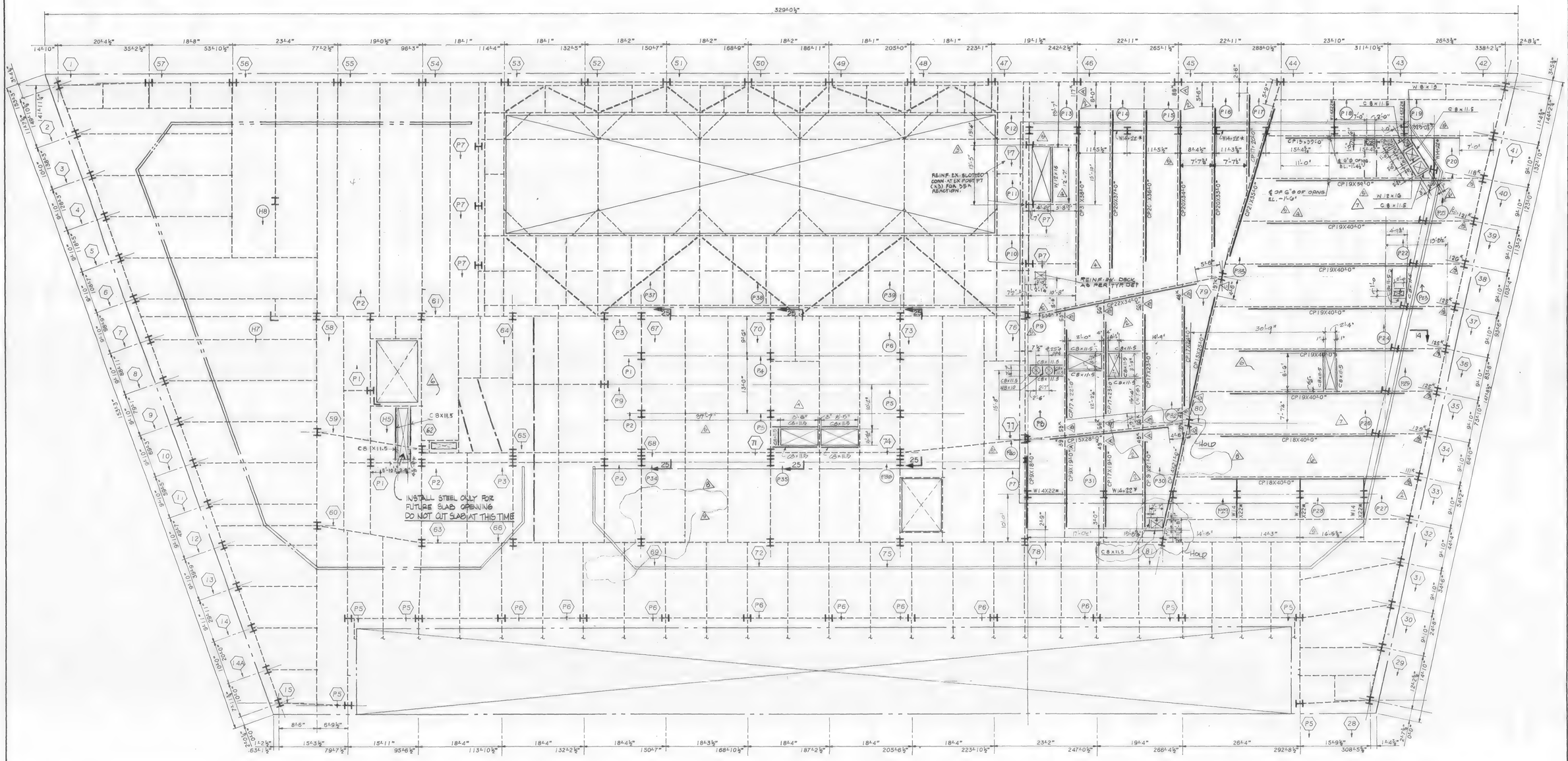
Project No.:
Date:
Scale:
Sheet No.: S-19

EXX57/105 S-19


STAIR #1
STAIR #2
VOID
ADD SLAB OVER EXIST. OPG. FOR DETAIL SEE DWG. S-33 TYP. EXIST. OPG. CLOSURE DETAIL
P.E.#24
P.E.#25
P.E.#26
P.E.#27
P.E.#28
P.E.#29
P.E.#30
P.E.#31
P.E.#32
P.E.#21
P.E.#23
S.E.#30
S.E.#29
W12X16
W12X19
W18X35
W24X55
W8X15
W14X22
W16X31
W15X31
W12X16
W18X65
W21X44
CP13 x 30.0
CP4 x 40.0
CP4 x 40.0
CP 21 x 58.0
CP 72 x 84.0
CB 11.5
CB 11.6
CB 11.8
CB 11.9
CB 11.5
CB 11.5
CB 11.5


329'-0½"
SLAB OVER OPENINGS
NEW OPNGS
STAIR #1
STAIR #2
P.E.#24
P.E.#25
P.E.#26
P.E.#27
P.E.#28
P.E.#29
P.E.#30
P.E.#31
P.E.#23
P.E.#22
P.E.#21
S.E.#29
S.E.#30
ADD SLAB OVER EXIST. OPG SEE TYP. DETAIL=3PG CLOSURE DETAIL ON DWG. S-33
OPENING BELOW AD 49TH FLOOR
SEE NOTE "A" DWG S-5
W12X16
W16 X 22
W8X10
W8X15
W8X18
W8X24
W8X31
W8X35
W8X40
W8X48
W8X67
W8X58
W8X21
W8X28
W8X13
W10X12
W10X15
W10X19
W10X22
W10X26
W10X30
W10X33
W10X39
W10X45
W10X49
W10X54
W10X60
W10X68
W10X77
W10X88
W10X100
W10X112
W14X26
W14X30
W14X34
W14X38
W14X43
W14X48
W14X53
W14X61
W14X68
W14X74
W14X82
W14X90
W14X99
W14X109
W14X120
W14X132
W14X145
W14X159
W14X176
W14X193
W14X211
W14X233
W14X257
W14X283
W14X311
W14X342
W14X370
W14X398
W14X426
W14X455
W14X500
W14X550
W14X605
W14X665
W14X730
W14X808
W14X873
W14X932
W14X1000
W14X1082
W14X1176
W14X1269
W14X1370
W14X1500
W14X1627
W14X1730
W14X1850
W14X1982
W14X2113
W14X2257
W14X2400
W14X2547
W14X2693
W14X2851
W14X3000
W14X3159
W14X3311
W14X3463
W14X3617
W14X3770
W14X3932
W14X4090
W14X4257
W14X4426
W14X4605
W14X4783
W14X4961
W14X5150
W14X5342
W14X5538
W14X5730
W14X5926
W14X6120
W14X6311
W14X6500
W14X6693
W14X6885
W14X7082
W14X7283
W14X7488
W14X7693
W14X7900
W14X8113
W14X8328
W14X8547
W14X8770
W14X8995
W14X9221
W14X9455
W14X9693
W14X9932
W14X10176
W14X10426
W14X10680
W14X10938
W14X11200
W14X11467
W14X11737
W14X12011
W14X12291
W14X12574
W14X12863
W14X13157
W14X13455
W14X13759
W14X14067
W14X14380
W14X14699
W14X15022
W14X15351
W14X15684
W14X16024
W14X16368
W14X16718
W14X17074
W14X17435
W14X17803
W14X18176
W14X18555
W14X18940
W14X19330
W14X19726
W14X20128
W14X20536
W14X20951
W14X21372
W14X21799
W14X22232
W14X22672
W14X23118
W14X23570
W14X24029
W14X24495
W14X24967
W14X25445
W14X25930
W14X26422
W14X26920
W14X27424
W14X27936
W14X28455
W14X28980
W14X29512
W14X30051
W14X30597
W14X31150
W14X31710
W14X32277
W14X32851
W14X33432
W14X34021
W14X34617
W14X35220
W14X35830
W14X36448
W14X37073
W14X37706
W14X38346
W14X38994
W14X39650
W14X40313
W14X40984
W14X41663
W14X42350
W14X43045
W14X43748
W14X44459
W14X45178
W14X45906
W14X46642
W14X47386
W14X48139
W14X48900
W14X49670
W14X50449
W14X51236
W14X52033
W14X52838
W14X53653
W14X54477
W14X55310
W14X56153
W14X57005
W14X57867
W14X58738
W14X59619
W14X60510
W14X61411
W14X62322
W14X63243
W14X64174
W14X65116
W14X66068
W14X67031
W14X68005
W14X68990
W14X69986
W14X70993
W14X72012
W14X73043
W14X74085
W14X75139
W14X76205
W14X77283
W14X78373
W14X79476
W14X80592
W14X81721
W14X82863
W14X84019
W14X85189
W14X86373
W14X87571
W14X88784
W14X90012
W14X91255
W14X92513
W14X93787
W14X95077
W14X96383
W14X97705
W14X99044
W14X100400
W14X101772
W14X103162
W14X104569
W14X105994
W14X107437
W14X108898
W14X110378
W14X111877
W14X113395
W14X114933
W14X116491
W14X118070
W14X119670
W14X121292
W14X122936
W14X124603
W14X126293
W14X128007
W14X129746
W14X131510
W14X133300
W14X135116
W14X136959
W14X138830
W14X140729
W14X142657
W14X144615
W14X146603
W14X148622
W14X150673
W14X152756
W14X154872
W14X157022
W14X159207
W14X161428
W14X163685
W14X165980
W14X168313
W14X170685
W14X173097
W14X175550
W14X178045
W14X180583
W14X183165
W14X185792
W14X188465
W14X191185
W14X193954
W14X196772
W14X199640
W14X202560
W14X205533
W14X208560
W14X211642
W14X214781
W14X217978
W14X221235
W14X224553
W14X227934
W14X231379
W14X234890
W14X238468
W14X242115
W14X245832
W14X249621
W14X253483
W14X257420
W14X261433
W14X265524
W14X269695
W14X273947
W14X278282
W14X282702
W14X287209
W14X291805
W14X296491
W14X301270
W14X306144
W14X311115
W14X316185
W14X321356
W14X326630
W14X332009
W14X337495
W14X343090
W14X348797
W14X354618
W14X360555
W14X366610
W14X372785
W14X379082
W14X385504
W14X392052
W14X398729
W14X405537
W14X412478
W14X419554
W14X426767
W14X434119
W14X441612
W14X449248
W14X457029
W14X464957
W14X473034
W14X481262
W14X489643
W14X498179
W14X506872
W14X515724
W14X524737
W14X533913
W14X543254
W14X552762
W14X562439
W14X572287
W14X582308
W14X592504
W14X602877
W14X613429
W14X624162
W14X635078
W14X646179
W14X657467
W14X668944
W14X680612
W14X692472
W14X704527
W14X716778
W14X729227
W14X741876
W14X754727
W14X767781
W14X781040
W14X794506
W14X808180
W14X822064
W14X836159
W14X850467
W14X864990
W14X879729
W14X894686
W14X909861
W14X925256
W14X940873
W14X956713
W14X972777
W14X989066
W14X1005582
W14X1022325
W14X1039297
W14X1056498
W14X1073930
W14X1091593
W14X1109488
W14X1127616
W14X1145978
W14X1164574
W14X1183405
W14X1202472
W14X1221776
W14X1241317
W14X1261096
W14X1281113
W14X1301370
W14X1321866
W14X1342602
W14X1363579
W14X1384797
W14X1406257
W14X1427959
W14X1449904
W14X1472092
W14X1494524
W14X1517200
W14X1540121
W14X1563287
W14X1586699
W14X1610357
W14X1634261
W14X1658412
W14X1682810
W14X1707455
W14X1732348
W14X1757489
W14X1782878
W14X1808516
W14X1834403
W14X1860539
W14X1886924
W14X1913559
W14X1940444
W14X1967579
W14X1994965
W14X2022601
W14X2050488
W14X2078626
W14X2107015
W14X2135655
W14X2164547
W14X2193691
W14X2223087
W14X2252735
W14X2282636
W14X2312789
W14X2343195
W14X2373854
W14X2404766
W14X2435931
W14X2467349
W14X2499021
W14X2530946
W14X2563125
W14X2595557
W14X2628243
W14X2661183
W14X2694377
W14X2727825
W14X2761527
W14X2795483
W14X2829693
W14X2864157
W14X2898875
W14X2933847
W14X2969073
W14X3004553
W14X3040287
W14X3076275
W14X3112517
W14X3149013
W14X3185763
W14X3222767
W14X3260025
W14X3297537
W14X3335303
W14X3373323
W14X3411597
W14X3450125
W14X3488907
W14X3527943
W14X3567233
W14X3606777
W14X3646575
W14X3686627
W14X3726933
W14X3767493
W14X3808307
W14X3849375
W14X3890697
W14X3932273
W14X3974103
W14X4016187
W14X4058525
W14X4101117
W14X4143963
W14X4187063
W14X4230417
W14X4274025
W14X4317887
W14X4362003
W14X4406373
W14X4450997
W14X4495875
W14X4541007
W14X4586393
W14X4632033
W14X4677927
W14X4724075
W14X4770477
W14X4817133
W14X4864043
W14X4911207
W14X4958625
W14X5006297
W14X5054223
W14X5102403
W14X5150837
W14X5199525
W14X5248467
W14X5297663
W14X5347113
W14X5396817
W14X5446775
W14X5496987
W14X5547453
W14X5598173
W14X5649147
W14X5700375
W14X5751857
W14X5803593
W14X5855583
W14X5907827
W14X5960325
W14X6013077
W14X6066083
W14X6119343
W14X6172857
W14X6226625
W14X6280647
W14X6334923
W14X6389453
W14X6444237
W14X6499275
W14X6554567
W14X6610113
W14X6665913
W14X6721967
W14X6778275
W14X6834837
W14X6891653
W14X6948723
W14X7006047
W14X7063625
W14X7121457
W14X7179543
W14X7237883
W14X7296477
W14X7355325
W14X7414427
W14X7473783
W14X7533393
W14X7593257
W14X7653375
W14X7713747
W14X7774373
W14X7835253
W14X7896387
W14X7957775
W14X8019417
W14X8081313
W14X8143463
W14X8205867
W14X8268525
W14X8331437
W14X8394603
W14X8458023
W14X8521697
W14X8585625
W14X8649807
W14X8714243
W14X8778933
W14X8843877
W14X8909075
W14X8974527
W14X9040233
W14X9106193
W14X9172407
W14X9238875
W14X9305597
W14X9372573
W14X9439803
W14X9507287
W14X9575025
W14X9643017
W14X9711263
W14X9779763
W14X9848517
W14X9917525
W14X9986787
W14X10056303
W14X10126073
W14X10196097
W14X10266375
W14X10336907
W14X10407693
W14X10478733
W14X10550027
W14X10621575
W14X10693377
W14X10765433
W14X10837743
W14X10910307
W14X10983125
W14X11056197
W14X11129523
W14X11203103
W14X11276937
W14X11351025
W14X11425367
W14X11499963
W14X11574813
W14X11649917
W14X11725275
W14X11800887
W14X11876753
W14X11952873
W14X12029247
W14X12105875
W14X12182757
W14X12259893
W14X12337283
W14X12414927
W14X12492825
W14X12570977
W14X12649383
W14X12728043
W14X12806957
W14X12886125
W14X12965547
W14X13045223
W14X13125153
W14X13205337
W14X13285775
W14X13366467
W14X13447413
W14X13528613
W14X13610067
W14X13691775
W14X13773737
W14X13855953
W14X13938423
W14X14021147
W14X14104125
W14X14187357
W14X14270843
W14X14354583
W14X14438577
W14X14522825
W14X14607327
W14X14692083
W14X14777093
W14X14862357
W14X14947875
W14X15033647
W14X15119673
W14X15205953
W14X15292487
W14X15379275
W14X15466317
W14X15553613
W14X15641163
W14X15728967
W14X15817025
W14X15905337
W14X15993903
W14X16082723
W14X16171797
W14X16261125
W14X16350707
W14X16440543
W14X16530633
W14X16620977
W14X16711575
W14X16802427
W14X16893533
W14X16984893
W14X17076507
W14X17168375
W14X17260497
W14X17352873
W14X17445503
W14X17538387
W14X17631525
W14X17724917
W14X17818563
W14X17912463
W14X18006617
W14X18101025
W14X18195687
W14X18290603
W14X18385773
W14X18481197
W14X18576875
W14X18672807
W14X18768993
W14X18865433
W14X18962127
W14X19059075
W14X19156277
W14X19253733
W14X19351443
W14X19449407
W14X19547625
W14X19646097
W14X19744823
W14X19843803
W14X19943037
W14X20042525
W14X20142267
W14X20242263
W14X20342513
W14X20443017
W14X20543775
W14X20644787
W14X20746053
W14X20847573
W14X20949347
W14X21051375
W14X21153657
W14X21256193
W14X21358983
W14X21462027
W14X21565325
W14X21668877
W14X21772683
W14X21876743
W14X21981057
W14X22085625
W14X22190447
W14X22295523
W14X22400853
W14X22506437
W14X22612275
W14X22718367
W14X22824713
W14X22931313
W14X23038167
W14X23145275
W14X23252637
W14X23360253
W14X23468123
W14X23576247
W14X23684625
W14X23793257
W14X23902143
W14X24011283
W14X24120677
W14X24230325
W14X24340227
W14X24450383
W14X24560793
W14X24671457
W14X24782375
W14X24893547
W14X25004973
W14X25116653
W14X25228587
W14X25340775
W14X25453217
W14X25565913
W14X25678863
W14X25792067
W14X25905525
W14X26019237
W14X26133203
W14X26247423
W14X26361897
W14X26476625
W14X26591607
W14X26706843
W14X26822333
W14X26938077
W14X27054075
W14X27170327
W14X27286833
W14X27403593
W14X27520607
W14X27637875
W14X27755397
W14X27873173
W14X27991203
W14X28109487
W14X28228025
W14X28346817
W14X28465863
W14X28585163
W14X28704717
W14X28824525
W14X28944587
W14X29064903
W14X29185473
W14X29306297
W14X29427375
W14X29548707
W14X29670293
W14X29792133
W14X29914227
W14X30036575
W14X30159177
W14X30282033
W14X30405143
W14X30528507
W14X30652125
W14X30775997
W14X30900123
W14X31024503
W14X31149137
W14X31274025
W14X31399167
W14X31524563
W14X31650213
W14X31776117
W14X31902275
W14X32028687
W14X32155353
W14X32282273
W14X32409447
W14X32536875
W14X32664557
W14X32792493
W14X32920683
W14X33049127
W14X33177825
W14X33306777
W14X33435983
W14X33565443
W14X33695157
W14X33825125
W14X33955347
W14X34085823
W14X34216553
W14X34347537
W14X34478775
W14X34610267
W14X34742013
W14X34874013
W14X35006267
W14X35138775
W14X35271537
W14X35404553
W14X35537823
W14X35671347
W14X35805125
W14X35939157
W14X36073443
W14X36207983
W14X36342777
W14X36477825
W14X36613127
W14X36748683
W14X36884493
W14X37020557
W14X37156875
W14X37293447
W14X37430273
W14X37567353
W14X37704687
W14X37842275
W14X37980117
W14X38118213
W14X38256563
W14X38395167
W14X38534025
W14X38673137
W14X38812503
W14X38952123
W14X39091997
W14X39232125
W14X39372507
W14X39513143
W14X39654033
W14X39795177
W14X39936575
W14X40078227
W14X40220133
W14X40362293
W14X40504707
W14X40647375
W14X40790297
W14X40933473
W14X41076903
W14X41220587
W14X41364525
W14X41508717
W14X41653163
W14X41797863
W14X41942817
W14X42088025
W14X42233487
W14X42379203
W14X42525173
W14X42671397
W14X42817875
W14X42964607
W14X43111593
W14X43258833
W14X43406327
W14X43554075
W14X43702077
W14X43850333
W14X43998843
W14X44147607
W14X44296625
W14X44445897
W14X44595423
W14X44745203
W14X44895237
W14X45045525
W14X45196067
W14X45346863
W14X45497913
W14X45649217
W14X45800775
W14X45952587
W14X46104653
W14X46256973
W14X46409547
W14X46562375
W14X46715457
W14X46868793
W14X47022383
W14X47176227
W14X47330325
W14X47484677
W14X47639283
W14X47794143
W14X47949257
W14X48104625
W14X48260247
W14X48416123
W14X48572253
W14X48728637
W14X48885275
W14X49042167
W14X49199313
W14X49356713
W14X49514367
W14X49672275
W14X49830437
W14X49988853
W14X50147523
W14X50306447
W14X50465625
W14X50625057
W14X50784743
W14X50944683
W14X51104877
W14X51265325
W14X51426027
W14X51586983
W14X51748193
W14X51909657
W14X52071375
W14X52233347
W14X52395573
W14X52558053
W14X52720787
W14X52883775
W14X53047017
W14X53210513
W14X53374263
W14X53538267
W14X53702525
W14X53867037
W14X54031803
W14X54196823
W14X54362097
W14X54527625
W14X54693407
W14X54859443
W14X55025733
W14X55192277
W14X55359075
W14X55526127
W14X55693433
W14X55860993
W14X56028807
W14X56196875
W14X56365197
W14X56533773
W14X56702603
W14X56871687
W14X57041025
W14X57210617
W14X57380463
W14X57550563
W14X57720917
W14X57891525
W14X58062387
W14X58233503
W14X58404873
W14X58576497
W14X58748375
W14X58920507
W14X59092893
W14X59265533
W14X59438427
W14X59611575
W14X59784977
W14X59958633
W14X60132543
W14X60306707
W14X60481125
W14X60655797
W14X60830723
W14X61005903
W14X61181337
W14X61357025
W14X61532967
W14X61709163
W14X61885613
W14X62062317
W14X62239275
W14X62416487
W14X62593953
W14X62771673
W14X62949647
W14X63127875
W14X63306357
W14X63485093
W14X63664083
W14X63843327
W14X64022825
W14X64202577
W14X64382583
W14X64562843
W14X64743357
W14X64924125
W14X65105147
W14X65286423
W14X65467953
W14X65649737
W14X65831775
W14X66014067
W14X66196613
W14X66379413
W14X66562467
W14X66745775
W14X66929337
W14X67113153
W14X67297223
W14X67481547
W14X67666125
W14X67850957
W14X68036043
W14X68221383
W14X68406977
W14X68592825
W14X68778927
W14X68965283
W14X69151893
W14X69338757
W14X69525875
W14X69713247
W14X69900873
W14X70088753
W14X70276887
W14X70465275
W14X70653917
W14X70842813
W14X71031963
W14X71221367
W14X71411025
W14X71600937
W14X71791103
W14X71981523
W14X72172197
W14X72363125
W14X72554307
W14X72745743
W14X72937433
W14X73129377
W14X73321575
W14X73514027
W14X73706733
W14X73899693
W14X74092907
W14X74286375
W14X74480097
W14X74674073
W14X74868303
W14X75062787
W14X75257525
W14X75452517
W14X75647763
W14X75843263
W14X76039017
W14X76235025
W14X76431287
W14X76627803
W14X76824573
W14X77021597
W14X77218875
W14X77416407
W14X77614193
W14X77812233
W14X78010527
W14X78209075
W14X78407877
W14X78606933
W14X78806243
W14X79005807
W14X79205625
W14X79405697
W14X79606023
W14X79806603
W14X80007437
W14X80208525
W14X80409867
W14X80611463
W14X80813313
W14X81015417
W14X81217775
W14X81420387
W14X81623253
W14X81826373
W14X82029747
W14X82233375
W14X82437257
W14X82641393
W14X82845783
W14X83050427
W14X83255325
W14X83460477
W14X83665883
W14X83871543
W14X84077457
W14X84283625
W14X84490047
W14X84696723
W14X84903653
W14X85110837
W14X85318275
W14X85525967
W14X85733913
W14X85942113
W14X86150567
W14X86359275
W14X86568237
W14X86777453
W14X86986923
W14X87196647
W14X87406625
W14X87616857
W14X87827343
W14X88038083
W14X88249077
W14X88460325
W14X88671827
W14X88883583
W14X89095593
W14X89307857
W14X89520375
W14X89733147
W14X89946173
W14X90159453
W14X90372987
W14X90586775
W14X90800817
W14X91015113
W14X91229663
W14X91444467
W14X91659525
W14X91874837
W14X92090403
W14X92306223
W14X92522297
W14X92738625
W14X92955207
W14X93172043
W14X93389133
W14X93606477
W14X93824075
W14X94041927
W14X94260033
W14X94478393
W14X94697007
W14X94915875
W14X95134997
W14X95354373
W14X95574003
W14X95793887
W14X96014025
W14X96234417
W14X96455063
W14X96675963
W14X96897117
W14X97118525
W14X97340187
W14X97562103
W14X97784273
W14X98006697
W14X98229375
W14X98452307
W14X98675493
W14X98898933
W14X99122627
W14X99346575
W14X99570777
W14X99795233
W14X100019943
W14X100244907
W14X100470125
W14X100695597
W14X100921323
W14X101147303
W14X101373537
W14X101600025
W14X101826767
W14X102053763
W14X102281013
W14X102508517
W14X102736275
W14X102964287
W14X103192553
W14X103421073
W14X103649847
W14X103878875
W14X104108157
W14X104337693
W14X104567483
W14X104797527
W14X105027825
W14X105258377
W14X105489183
W14X105720243
W14X105951557
W14X106183125
W14X106414947
W14X106647023
W14X106879353
W14X107111937
W14X107344775
W14X107577867
W14X107811213
W14X108044813
W14X108278667
W14X108512775
W14X108747137
W14X108981753
W14X109216623
W14X109451747
W14X109687125
W14X109922757
W14X110158643
W14X110394783
W14X110631177
W14X110867825
W14X111104727
W14X111341883
W14X111579293
W14X111816957
W14X112054875
W14X112293047
W14X112531473
W14X112770153
W14X113009087
W14X113248275
W14X113487717
W14X113727413
W14X113967363
W14X114207567
W14X114448025
W14X114688737
W14X114929703
W14X115170923
W14X115412397
W14X115654125
W14X115896107
W14X116138343
W14X116380833
W14X116623577
W14X116866575
W14X117109827
W14X117353333
W14X117597093
W14X117841107
W14X118085375
W14X118329897
W14X118574673
W14X118819703
W14X119064987
W14X119310525
W14X119556317
W14X119802363
W14X120048663
W14X120295217
W14X120542025
W14X120789087
W14X121036403
W14X121283973
W14X121531797
W14X121779875
W14X122028207
W14X122276793
W14X122525633
W14X122774727
W14X123024075
W14X123273677
W14X123523533
W14X123773643
W14X124024007
W14X124274625
W14X124525497
W14X124776623
W14X125028003
W14X125279637
W14X125531525
W14X125783667
W14X126036063
W14X126288713
W14X126541617
W14X126794775
W14X127048187
W14X127301853
W14X127555773
W14X127809947
W14X128064375
W14X128319057
W14X128573993
W14X128829183
W14X129084627
W14X129340325
W14X129596277
W14X129852483
W14X130108943
W14X130365657
W14X130622625
W14X130879847
W14X131137323
W14X131395053
W14X131653037
W14X131911275
W14X132169767
W14X132428513
W14X132687513
W14X132946767
W14X133206275
W14X133466037
W14X133726053
W14X133986323
W14X134246847
W14X134507625
W14X134768657
W14X135029943
W14X135291483
W14X135553277
W14X135815325
W14X136077627
W14X136340183
W14X136602993
W14X136866057
W14X137129375
W14X137392947
W14X137656773
W14X137920853
W14X138185187
W14X138449775
W14X138714617
W14X138979713
W14X139245063
W14X139510667
W14X139776525
W14X140042637
W14X140309003
W14X140575623
W14X140842497
W14X141109625
W14X141377007
W14X141644643
W14X141912533
W14X142180677
W14X142449075
W14X142717727
W14X142986633
W14X143255793
W14X143525207
W14X143794875
W14X144064797
W14X144334973
W14X144605403
W14X144876087
W14X145147025
W14X145418217
W14X145689663
W14X145961363
W14X146233317
W14X146505525
W14X146777987
W14X147050703
W14X147323673
W14X147596897
W14X147870375
W14X148144107
W14X148418093
W14X148692333
W14X148966827
W14X149241575
W14X149516577
W14X149791833
W14X150067343
W14X150343107
W14X150619125
W14X150895397
W14X151171923
W14X151448703
W14X151725737
W14X152003025
W14X152280567
W14X152558363
W14X152836413
W14X153114717
W14X153393275
W14X153672087
W14X153951153
W14X154230473
W14X154510047
W14X154789875
W14X155069957
W14X155350293
W14X155630883
W14X155911727
W14X156192825
W14X156474177
W14X156755783
W14X157037643
W14X157319757
W14X157602125
W14X157884747
W14X158167623
W14X158450753
W14X158734137
W14X159017775
W14X159301667
W14X159585813
W14X159870213
W14X160154867
W14X160439775
W14X160724937
W14X161010353
W14X161296023
W14X161581947
W14X161868125
W14X162154557
W14X162441243
W14X162728183
W14X163015377
W14X163302825
W14X163590527
W14X163878483
W14X164166693
W14X164455157
W14X164743875
W14X165032847
W14X165322073
W14X165611553
W14X165901287
W14X166191275
W14X166481517
W14X166772013
W14X167062763
W14X167353767
W14X167645025
W14X167936537
W14X168228303
W14X168520323
W14X168812597
W14X169105125
W14X169397907
W14X169690943
W14X169984233
W14X170277777
W14X170571575
W14X170865627
W14X171159933
W14X171454493
W14X171749307
W14X172044375
W14X172339697
W14X172635273
W14X172931103
W14X173227187
W14X173523525
W14X173820117
W14X174116963
W14X174414063
W14X174711417
W14X175009025
W14X175306887
W14X175605003
W14X175903373
W14X176201997
W14X176500875
W14X176800007
W14X177099393
W14X177399033
W14X177698927
W14X177999075
W14X178299477
W14X178600133
W14X178901043
W14X179202207
W14X179503625
W14X179805297
W14X180107223
W14X180409403
W14X180711837
W14X181014525
W14X181317467
W14X181620663
W14X181924113
W14X182227817
W14X182531775
W14X182835987
W14X183140453
W14X183445173
W14X183750147
W14X184055375
W14X184360857
W14X184666593
W14X184972583
W14X185278827
W14X185585325
W14X185892077
W14X186199083
W14X186506343
W14X186813857
W14X187121625
W14X187429647
W14X187737923
W14X188046453
W14X188355237
W14X188664275
W14X188973567
W14X189283113
W14X189592913
W14X189902967
W14X190213275
W14X190523837
W14X190834653
W14X191145723
W14X191457047
W14X191768625
W14X192080457
W14X192392543
W14X192704883
W14X193017477
W14X193330325
W14X193643427
W14X193956783
W14X194270393
W14X194584257
W14X194898375
W14X195212747
W14X195527373
W14X195842253
W14X196157387
W14X196472775
W14X196788417
W14X197104313
W14X197420463
W14X197736867
W14X198053525
W14X198370437
W14X198687603
W14X199005023
W14X199322697
W14X199640625
W14X199958807
W14X200277243
W14X200595933
W14X200914877
W14X201234075
W14X201553527
W14X201873233
W14X202193193
W14X202513407
W14X202833875
W14X203154597
W14X203475573
W14X203796803
W14X204118287
W14X204440025
W14X204762017
W14X205084263
W14X205406763
W14X205729517
W14X206052525
W14X206375787
W14X206699303
W14X207023073
W14X207347097
W14X207671375
W14X207995907
W14X208320693
W14X208645733
W14X208971027
W14X209296575
W14X209622377
W14X209948433
W14X210274743
W14X210601307
W14X210928125
W14X211255197
W14X211582523
W14X211910103
W14X212237937
W14X212566025
W14X212894367
W14X213222963
W14X213551813
W14X213880917
W14X214210275
W14X214539887
W14X214869753
W14X215199873
W14X215530247
W14X215860875
W14X216191757
W14X216522893
W14X216854283
W14X217185927
W14X217517825
W14X217849977
W14X218182383
W14X218515043
W14X218847957
W14X219181125
W14X219514547
W14X219848223
W14X220182153
W14X220516337
W14X220850775
W14X221185467
W14X221520413
W14X221855613
W14X222191067
W14X222526775
W14X222862737
W14X223198953
W14X223535423
W14X223872147
W14X224209125
W14X224546357
W14X224883843
W14X225221583
W14X225559577
W14X225897825
W14X226236327
W14X226575083
W14X226914093
W14X227253357
W14X227592875
W14X227932647
W14X228272673
W14X228612953
W14X228953487
W14X229294275
W14X229635317
W14X229976613
W14X230318163
W14X230659967
W14X231002025
W14X231344337
W14X231686903
W14X232029723
W14X232372797
W14X232716125
W14X233059707
W14X233403543
W14X233747633
W14X234091977
W14X234436575
W14X234781427
W14X235126533
W14X235471893
W14X235817507
W14X236163375
W14X236509497
W14X236855873
W14X237202503
W14X237549387
W14X237896525
W14X238243917
W14X238591563
W14X238939463
W14X239287617
W14X239636025
W14X239984687
W14X240333603
W14X240682773
W14X241032197
W14X241381875
W14X241731807
W14X242081993
W14X242432433
W14X242783127
W14X243134075
W14X243485277
W14X243836733
W14X244188443
W14X244540407
W14X244892625
W14X245245097
W14X245597823
W14X245950803
W14X246304037
W14X246657525
W14X247011267
W14X247365263
W14X247719513
W14X248074017
W14X248428775
W14X248783787
W14X249139053
W14X249494573
W14X249850347
W14X250206375
W14X250562657
W14X250919193
W14X251275983
W14X251633027
W14X251990325
W14X252347877
W14X252705683
W14X253063743
W14X253422057
W14X253780625
W14X254139447
W14X254498523
W14X254857853
W14X255217437
W14X255577275
W14X255937367
W14X256297713
W14X256658313
W14X257019167
W14X257380275
W14X257741637
W14X258103253
W14X258465123
W14X258827247
W14X259189625
W14X259552257
W14X259915143
W14X260278283
W14X260641677
W14X261005325
W14X261369227
W14X261733383
W14X262097793
W14X262462457
W14X262827375
W14X263192547
W14X263557973
W14X263923653
W14X264289587
W14X264655775
W14X265022217
W14X265388913
W14X265755863
W14X266123067
W14X266490525
W14X266858237
W14X267226203
W14X267594423
W14X267962897
W14X268331625
W14X268700607
W14X269069843
W14X269439333
W14X269809077
W14X270179075
W14X270549327
W14X270919833
W14X271290593
W14X271661607
W14X272032875
W14X272404397
W14X272776173
W14X273148203
W14X273520487
W14X273893025
W14X274265817
W14X274638863
W14X275012163
W14X275385717
W14X275759525
W14X276133587
W14X276507903
W14X276882473
W14X277257297
W14X277632375
W14X278007707
W14X278383293
W14X278759133
W14X279135227
W14X279511575
W14X279888177
W14X280265033
W14X280642143
W14X281019507
W14X281397125
W14X281774997
W14X282153123
W14X282531503
W14X282910137
W14X283289025
W14X283668167
W14X284047563
W14X284427213
W14X284807117
W14X285187275
W14X285567687
W14X285948353
W14X286329273
W14X286710447
W14X287091875
W14X287473557
W14X287855493
W14X288237683
W14X288620127
W14X289002825
W14X289385777
W14X289768983
W14X290152443
W14X290536157
W14X290920125
W14X291304347
W14X291688823
W14X292073553
W14X292458537
W14X292843775
W14X293229267
W14X293615013
W14X294001013
W14X294387267
W14X294773775
W14X295160537
W14X295547553
W14X295934823
W14X296322347
W14X296710125
W14X297098157
W14X297486443
W14X297874983
W14X298263777
W14X298652825
W14X299042127
W14X299431683
W14X299821493
W14X300211557
W14X300601875
W14X300992447
W14X301383273
W14X301774353
W14X302165687
W14X302557275
W14X302949117
W14X303341213
W14X303733563
W14X304126167
W14X304519025
W14X304912137
W14X305305503
W14X305699123
W14X306092997
W14X306487125
W14X306881507
W14X307276143
W14X307671033
W14X308066177
W14X308461575
W14X308857227
W14X309253133
W14X309649293
W14X310045707
W14X310442375
W14X310839297
W14X311236473
W14X311633903
W14X312031587
W14X312429525
W14X312827717
W14X313226163
W14X313624863
W14X314023817
W14X314423025
W14X314822487
W14X315222203
W14X315622173
W14X316022397
W14X316422875
W14X316823607
W14X317224593
W14X317625833
W14X318027327
W14X318429075
W14X318831077
W14X319233333
W14X319635843
W14X320038607
W14X320441625
W14X320844897
W14X321248423
W14X321652203
W14X322056237
W14X322460525
W14X322865067
W14X323269863
W14X323674913
W14X324080217
W14X324485775
W14X324891587
W14X325297653
W14X325703973
W14X326110547
W14X326517375
W14X326924457
W14X327331793
W14X327739383
W14X328147227
W14X328555325
W14X328963677
W14X329372283
W14X329781143
W14X330190257
W14X330599625
W14X331009247
W14X331419123
W14X331829253
W14X332239637
W14X332650275
W14X333061167
W14X333472313
W14X333883713
W14X334295367
W14X334707275
W14X335119437
W14X335531853
W14X335944523
W14X336357447
W14X336770625
W14X337184057
W14X337597743
W14X338011683
W14X338425877
W14X338840325
W14X339255027
W14X339669983
W14X340085193
W14X340500657
W14X340916375
W14X341332347
W14X341748573
W14X342165053
W14X342581787
W14X342998775
W14X343416017
W14X343833513
W14X344251263
W14X344669267
W14X345087525
W14X345506037
W14X345924803
W14X346343823
W14X346763097
W14X347182625
W14X347602407
W14X348022443
W14X348442733
W14X348863277
W14X349284075
W14X349705127
W14X350126433
W14X350547993
W14X350969807
W14X351391875
W14X351814197
W14X352236773
W14X352659603
W14X353082687
W14X353506025
W14X353929617
W14X354353463
W14X354777563
W14X355201917
W14X355626525
W14X356051387
W14X356476503
W14X356901873
W14X357327497
W14X357753375
W14X358179507
W14X358605893
W14X359032533
W14X359459427
W14X359886575
W14X360313977
W14X360741633
W14X361169543
W14X361597707
W14X362026125
W14X362454797
W14X362883723
W14X363312903
W14X363742337
W14X364172025
W14X364601967
W14X365032163
W14X365462613
W14X365893317
W14X366324275
W14X366755487
W14X367186953
W14X367618673
W14X368050647
W14X368482875
W14X368915357
W14X369348093
W14X369781083
W14X370214327
W14X370647825
W14X371081577
W14X371515583
W14X371949843
W14X372384357
W14X372819125
W14X373254147
W14X373689423
W14X374124953
W14X374560737
W14X374996775
W14X375433067
W14X375869613
W14X376306413
W14X376743467
W14X377180775
W14X377618337
W14X378056153
W14X378494223
W14X378932547
W14X379371125
W14X379809957
W14X380249043
W14X380688383
W14X381127977
W14X381567825
W14X382007927
W14X382448283
W14X382888893
W14X383329757
W14X383770875
W14X384212247
W14X384653873
W14X385095753
W14X385537887
W14X385980275
W14X386422917
W14X386865813
W14X387308963
W14X387752367
W14X388196025
W14X388639937
W14X389084103
W14X389528523
W14X389973197
W14X390418125
W14X390863307
W14X391308743
W14X391754433
W14X392200377
W14X392646575
W14X393093027
W14X393539733
W14X393986693
W14X394433907
W14X394881375
W14X395329097
W14X395777073
W14X396225303
W14X396673787
W14X397122525
W14X397571517
W14X398020763
W14X398470263
W14X398920017
W14X399370025
W14X399820287
W14X400270803
W14X400721573
W14X401172597
W14X401623875
W14X402075407
W14X402527193
W14X402979233
W14X403431527
W14X403884075
W14X404336877
W14X404789933
W14X405243243
W14X405696807
W14X406150625
W14X406604697
W14X407059023
W14X407513603
W14X407968437
W14X408423525
W14X408878867
W14X409334463
W14X409790313
W14X410246417
W14X410702775
W14X411159387
W14X411616253
W14X412073373
W14X412530747
W14X412988375
W14X413446257
W14X413904393
W14X414362783
W14X414821427
W14X415280325
W14X415739477
W14X416198883
W14X416658543
W14X417118457
W14X417578625
W14X418039047
W14X418499723
W14X418960653
W14X419421837
W14X419883275
W14X420344967
W14X420806913
W14X421269113
W14X421731567
W14X422194275
W14X422657237
W14X423120453
W14X423583923
W14X424047647
W14X424511625
W14X424975857
W14X425440343
W14X425905083
W14X426370077
W14X426835325
W14X427300827
W14X427766583
W14X428232593
W14X428698857
W14X429165375
W14X429632147
W14X430099173
W14X430566453
W14X431033987
W14X431501775
W14X431969817
W14X432438113
W14X432906663
W14X433375467
W14X433844525
W14X434313837
W14X434783403
W14X435253223
W14X435723297
W14X436193625
W14X436664207
W14X437135043
W14X437606133
W14X438077477
W14X438549075
W14X439020927
W14X439493033
W14X439965393
W14X440438007
W14X440910875
W14X441383997
W14X441857373
W14X442331003
W14X442804887
W14X443279025
W14X443753417
W14X444228063
W14X444702963
W14X445178117
W14X445653525
W14X446129187
W14X446605103
W14X447081273
W14X447557697
W14X448034375
W14X448511307
W14X448988493
W14X449465933
W14X449943627
W14X450421575
W14X450899777
W14X451378233
W14X451856943
W14X452335907
W14X452815125
W14X453294597
W14X453774323
W14X454254303
W14X454734537
W14X455215025
W14X455695767
W14X456176763
W14X456658013
W14X457139517
W14X457621275
W14X458103287
W14X458585553
W14X459068073
W14X459550847
W14X460033875
W14X460517157
W14X461000693
W14X461484483
W14X461968527
W14X462452825
W14X462937377
W14X463422183
W14X463907243
W14X464392557
W14X464878125
W14X465363947
W14X465850023
W14X466336353
W14X466822937
W14X467309775
W14X467796867
W14X468284213
W14X468771813
W14X469259667
W14X469747775
W14X470236137
W14X470724753
W14X471213623
W14X471702747
W14X472192125
W14X472681757
W14X473171643
W14X473661783
W14X474152177
W14X474642825
W14X475133727
W14X475624883
W14X476116293
W14X476607957
W14X477099875
W14X477592047
W14X478084473
W14X478577153
W14X479070087
W14X479563275
W14X480056717
W14X480550413
W14X481044363
W14X481538567
W14X482033025
W14X482527737
W14X483022703
W14X483517923
W14X484013397
W14X484509125
W14X485005107
W14X485501343
W14X485997833
W14X486494577
W14X486991575
W14X487488827
W14X487986333
W14X488484093
W14X488982107
W14X489480375
W14X489978897
W14X490477673
W14X490976703
W14X491475987
W14X491975525
W14X492475317
W14X492975363
W14X493475663
W14X493976217
W14X


FOR THIS AREA SEE PART PLAN
REINF. EXIST. DK. AS PER TYP. DET.
SLAB OVER OPENING
REINF EXIST. DECK AS PER TYP. DETAILS
NEW OPNGS
OPENING CAN'S AS ASPH. FLOOR
PROVIDE SHORE ANGLES AS PER SHOP DWG.
PLATE (A36) 1"x7"x6'-0" LG
W12X16
W8X13
W12 X16
W8X10
C8X11.5
W18X35
W10X22
W10X15
W10X19
W10X68
W10X60
W10X54
W10X49
W10X45
W10X39
W10X33
W10X30
W10X26
W10X22
W10X17
W10X12
W8X31
W8X28
W8X24
W8X21
W8X18
W8X15
W8X13
W8X10
W6X20
W6X15
W6X12
W6X9
W5X16
W5X19
W4X13
W4X10
W4X8
W4X6
W4X5
W4X4
W4X3
W4X2
W4X1
W4X0.5
W4X0.25
W4X0.125
W4X0.0625
W4X0.03125
W4X0.015625
W4X0.0078125
W4X0.00390625
W4X0.001953125
W4X0.0009765625
W4X0.00048828125
W4X0.000244140625
W4X0.0001220703125
W4X0.00006103515625
W4X0.000030517578125
W4X0.0000152587890625
W4X0.00000762939453125
W4X0.000003814697265625
W4X0.0000019073486328125
W4X0.00000095367431640625
W4X0.000000476837158203125
W4X0.0000002384185791015625
W4X0.00000011920928955078125
W4X0.000000059604644775390625
W4X0.0000000298023223876953125
W4X0.00000001490116119384765625
W4X0.000000007450580596923828125
W4X0.0000000037252902984619140625
W4X0.00000000186264514923095703125
W4X0.000000000931322574615478515625
W4X0.0000000004656612873077392578125
W4X0.00000000023283064365386962890625
W4X0.000000000116415321826934814453125
W4X0.0000000000582076609134674072265625
W4X0.00000000002910383045673370361328125
W4X0.000000000014551915228366851806640625
W4X0.0000000000072759576141834259033203125
W4X0.00000000000363797880709171295166015625
W4X0.000000000001818989403545856475830078125
W4X0.0000000000009094947017729282379150390625
W4X0.00000000000045474735088646411895751953125
W4X0.000000000000227373675443232059478759765625
W4X0.0000000000001136868377216160297393798828125
W4X0.00000000000005684341886080801486968994140625
W4X0.000000000000028421709430404007434844970703125
W4X0.0000000000000142108547152020037174224853515625
W4X0.00000000000000710542735760100185871124267578125
W4X0.000000000000003552713678800500929355621337890625
W4X0.0000000000000017763568394002504646778106689453125
W4X0.00000000000000088817841970012523233890533447265625
W4X0.000000000000000444089209850062616169452667236328125
W4X0.0000000000000002220446049250313080847263336181640625
W4X0.00000000000000011102230246251565404236316680908203125
W4X0.000000000000000055511151231257827021181583404541015625
W4X0.0000000000000000277555756156289135105907917022705078125
W4X0.00000000000000001387778780781445675529539585113525390625
W4X0.000000000000000006938893903907228377647697925567626953125
W4X0.0000000000000000034694469519536141888238489627838134765625
W4X0.00000000000000000173472347597680709441192448139190673828125
W4X0.000000000000000000867361737988403547205962240695953369140625
W4X0.0000000000000000004336808689942017736029811203479766845703125
W4X0.00000000000000000021684043449710088680149056017398834228515625
W4X0.000000000000000000108420217248550443400745280086994171142578125
W4X0.0000000000000000005421010862427522170037264004349708557128906125
W4X0.00000000000000000027105054312137610850186320021748542785644531125
W4X0.000000000000000000135525271560688054250931600108742713928222655625
W4X0.0000000000000000006776263578034403712546580005437135696411132828125
W4X0.00000000000000000033881317890172018562732900027185678482055664140625
W4X0.000000000000000000169406589450860092813664500135928392410278320703125
W4X0.0000000000000000008470329472543004640683225006796419620513916035156125
W4X0.00000000000000000042351647362715023203416125033982098102569580175781125
W4X0.000000000000000000211758236813575116017080625169910490512847900878906125
W4X0.0000000000000000010587911840678755800854031258495524525642395044140625
W4X0.00000000000000000052939559203393779004270156292477622628211975220703125
W4X0.000000000000000000264697796016968895021350781462388113141059876103515625
W4X0.0000000000000000013234889800848444751067539073119405657052993805175781125
W4X0.00000000000000000066174449004242223755337695365597028285264969025878906125
W4X0.0000000000000000003308722450212111187766847682779851414263248451293945625
W4X0.00000000000000000016543612251060555938834238413899257071316242256469728125
W4X0.000000000000000000082718061255302779694171192069496285356581211282348640625
W4X0.0000000000000000004135903062765138984708559603474814267829060564117432328125
W4X0.00000000000000000020679515313825694923542798017374071339145302820587161640625
W4X0.000000000000000000103397576569128474617713990086870356695726514102935808203125
W4X0.0000000000000000005169878828456423730885699504343517834786325705146790410156125
W4X0.00000000000000000025849394142282118654428497521717589173931628525733952050781125
W4X0.000000000000000000129246970711410593272142487608587945869658142628669760253906125
W4X0.0000000000000000006462348535570529663607124380429397293482907131433488012695625
W4X0.00000000000000000032311742677852648318035621902146986467414535657167440063478125
W4X0.000000000000000000161558713389263241590178109510734932337072678285837200317390625
W4X0.0000000000000000008077935669463162079508905475536746616853633914291860015869140625
W4X0.00000000000000000040389678347315810397544527377683733084268169571459300079345703125
W4X0.000000000000000000201948391736579051987722636888418665421340847857296500396728515625
W4X0.0000000000000000010097419586828952599386131844420933271067042392864825019836425781125
W4X0.00000000000000000050487097934144762996930659222104666355335211964324125099182128906125
W4X0.0000000000000000002524354896707238149846532961105233317766760598216206254959106445625
W4X0.00000000000000000012621774483536190749232664805526166588833802991081031274795532228125
W4X0.000000000000000000063108872417680953746163324027630832944169014955405156373977661140625
W4X0.0000000000000000003155443620884047687308166201381541647208450747770257818698883057031125
W4X0.00000000000000000015777218104420238436540831006907708236042253738851289093494415285156125
W4X0.000000000000000000078886090522101192182704155034538541180211268694256445467472076425781125
W4X0.0000000000000000003944304526105059609135207751726927059010563434712822273373603821289062625
W4X0.00000000000000000019721522630525298045676038758634635295052817173564111366868019106445313125
W4X0.000000000000000000098607613152626490228380193793173176475264085867820556834340095532226565625
W4X0.0000000000000000004930380657631324511419009689658658823763204293391027841717004776611328128125
W4X0.00000000000000000024651903288156622557095048448293294118816021466955139208585023883056640640625
W4X0.000000000000000000123259516440783112785475242241466470594080107334775696042925119415283203203125
W4X0.0000000000000000006162975822039155639273762112073323529704005366738784802146255970764160160156125
W4X0.00000000000000000030814879110195778196368810560366617648520026833693924010731279853820800800781125
W4X0.000000000000000000154074395550978890981844052801833088242600134168469620053656399269104004003906125
W4X0.0000000000000000007703719777548944549092202640091654412130006708423481003026827963455200200195312625
W4X0.00000000000000000038518598887744722745461013200458272060650033542117405015134139817276000100097656125
W4X0.000000000000000000192592994438723613727305066002291360303250167710587025075670699086380000500488281125
W4X0.0000000000000000009629649721936180686365253300114568015162508385529351253783534954319000025024414062625
W4X0.00000000000000000048148248609680903431826266500572840075812541927646756268917674771595000125122070313125
W4X0.000000000000000000240741243048404517159131332502864200379062709638233781344588373857975000625610351565625
W4X0.0000000000000000012037062152420225857956566625143210018953135481911689067229418692892875003128051782128125
W4X0.00000000000000000060185310762101129289782833125716050094765677409558445336147093464464375015640258910640625
W4X0.000000000000000000300926553810505646448914165628580250473828387047792226680735467322321875078201294553203125
W4X0.0000000000000000015046327690525282322445708281429012523691419352389611334036773366116093753910064727660156125
W4X0.00000000000000000075231638452626411612228541407145062618457096761948056670183866830580468769550323638280781125
W4X0.000000000000000000376158192263132058061142707035725313092285483809740283350919334152902343847751618191403906125
W4X0.0000000000000000018807909613156602903057135351786265654614274190487014167545966707645117192387580909570195312625
W4X0.00000000000000000094039548065783014515285676758931328273071370952435070837729833538225585961937904547850976563125
W4X0.000000000000000000470197740328915072576428383794656641365356854762175354188649167691127929809689522739254882815625
W4X0.0000000000000000023509887016445753628821419189732832068267842738108767709432458384556396490484476136962744140781125
W4X0.00000000000000000117549435082228768144107095948664160341339213690543838547162291922781982452422380684813720703906125
W4X0.000000000000000000587747175411143840720535479743320801706696068452719192735811459613909912262111903424068603519531125
W4X0.0000000000000000029387358770557192036026773987166040085334803422635959636790572980695495613105595171203430175976562625
W4X0.00000000000000000146936793852785960180133869935830200426674017113179798183952864903477478065527975856017150879882813125
W4X0.000000000000000000734683969263929800900669349679151002133370085565898990919764324517387390327639879280085754399414065625
W4X0.0000000000000000036734198463196490045033467483957550106668504278294949545988216225869369516381993964004287719970703128125
W4X0.00000000000000000183670992315982450225167337419787750533342521391474747729941081129346847581909969820021438599853515640625
W4X0.000000000000000000918354961579912251125836687098938752666712606957373738649705405646734237909549849100107192999267578203125
W4X0.0000000000000000045917748078995612556291834354946937633335630347868686932485270282336711895477492455005359649963378906125
W4X0.00000000000000000229588740394978062781459171774734688166678151739343434662426351411683559477387462275026798249816894531125
W4X0.000000000000000001147943701974890313907295858873673440833390758696717173312131757058417797386937311375133991249084472656625
W4X0.0000000000000000057397185098744515695364792943683672041669537934835858665606587852920889869346865568756699562454223632828125
W4X0.00000000000000000286985925493722578476823964718418360208347689674179293328032939264604449346734327843783497812271118164140625
W4X0.000000000000000001434929627468612892384119823592091801041738448370896466640164696323022246733671639218917489061355590820703125
W4X0.0000000000000000071746481373430644619205991179604590052086922418544823332008234816151112336683581960945874453067779541015625
W4X0.00000000000000000358732406867153223096029955898022950260434612092724116660041174080755561683417909804729372265338897705078125
W4X0.000000000000000001793662034335766115480149779490114751302173060463620583300205870403777808417089549023646861326694488525390625
W4X0.0000000000000000089683101716788305774007488974505737565108653023181029165010293520188890420854477451182343066334724426269531125
W4X0.00000000000000000448415508583941528870037444872528687825543265115905145825051467600944452104272387255911715331673622131347656625
W4X0.000000000000000002242077542919707644350187224362643439127716325579525729125257338004722260521361936279558576658368110656738281125
W4X0.0000000000000000112103877145985382217509361218132171956385816278976286456262866900236113026068096813977928832918405532836914065625
W4X0.00000000000000000560519385729926911087546806090660859781929081394881432281314334501180565130340484069889644164592027664184570328125
W4X0.000000000000000002802596928649634555437734030453304298909645406974407161406571672505902825651702420349448220822960138320922851640625
W4X0.0000000000000000140129846432481727771886701522665214945482270348720358070328583625295141282585121017472411041148006916046142578203125
W4X0.00000000000000000700649232162408638859433507613326074727411351743601790351642918126475706412925605087362055205740034580230712890625
W4X0.000000000000000003503246160812043194297167538066630373637056758718008951758214590632378532064628025436810276028700172901153564453125
W4X0.0000000000000000175162308040602159714858376903331518681852837935900447587910729531618926603231401271840513801435008645057678228125
W4X0.00000000000000000875811540203010798574291884516657593409264189679502237939553647658094633016157006359202569007175043225288391140625
W4X0.000000000000000004379057701015053992871459422583287967046320948397511189697768238290473165080785031796012845035875216126441955703125
W4X0.0000000000000000218952885050752699643572971129164398352316047419875594848884119145236582540392515898006422517937760806322097851640625
W4X0.00000000000000001094764425253763498217864855645821991761580237099377974244420595726182912701962579490032112589688804031610489257828125
W4X0.000000000000000005473822126268817491089324278229109958807901185496889871222102978630914563509812897450160562948444020158052446289140625
W4X0.0000000000000000273691106313440874554466213911455497940395059274844493561105148931545728175490644872508028147422201007902622314453125
W4X0.00000000000000001368455531567204372772331069557277489701975296374222467805525744657728640877453224362540140737111005039513111572265625
W4X0.000000000000000006842277657836021863861655347786387448509876481871112339027628723288643204387266121812700703685555025197555786328125
W4X0.0000000000000000342113882891801093193082767389319372425493824093555616951381436164432160219363306090635035184277751259877789316406125
W4X0.00000000000000001710569414459005465965413836946596862127469120467778084756907180822160801096816530453175175921388756299388946582031125
W4X0.000000000000000008552847072295027329827069184732984310637345602338890423784535904110804005484082652265875879606943781496944732910156625
W4X0.0000000000000000427642353614751366491353459236649215531867280116944521189226795205540200274204132613293793980347189074847236645507828125
W4X0.00000000000000002138211768073756832456767296183246077659336400584722605946133976027701001371020663066468969901735945374236183227539140625
W4X0.000000000000000010691058840368784162283836480916230388296682002923613029730669880138505006855103315332344849508679726871180916137695703125
W4X0.0000000000000000534552942018439208114191824045811519414834100146180651486533494006925250342755165766617242475434036343559045806884765628125
W4X0.00000000000000002672764710092196040570959120229057597074170500730903257432667470034626251713775828833086212377170181717795229034423828140625
W4X0.000000000000000013363823550460980202854795601145287985370852503654516287163337350173131258568879144165431061885850908588976145172119140703125
W4X0.0000000000000000668191177523049010142739780057264399268542625182725814358166867508656562928443957208271553094292545429448807258605957035156125
W4X0.00000000000000003340955887615245050713698900286321996342713125913629071790834337543282814642219786041357765471462727147244036293029785175781125
W4X0.000000000000000016704779438076225253568494501431609981713565629568145358954171687716414073211098930206788827357313635736220181465148925878906125
W4X0.0000000000000000835238971903811262678424725071580499085678281478407267947708584385820703660554946510339441367865681786811009073257446294394531125
W4X0.00000000000000004176194859519056313392123625357902495428391407392036339738542921929103518302774732551697206839328408934055045366287231471972656625
W4X0.000000000000000020880974297595281566960618126789512477141957036960181698692714609645517591513873662758486034196642044670275226831436157359863281125
W4X0.0000000000000000104404871487976407834803090633947562385709785184800849343463573048227587957569368313792430170983220223351376134157180786799316406125
W4X0.00000000000000005220243574398820391740154531697378119192854892592404246717317865241137939787846841568962150854916110111675688067078590393399658203125
W4X0.000000000000000026101217871994101958700772658486890595964274462962021233586589326205689698939234207844810754274580550558378440335392951966998291015625
W4X0.0000000000000000130506089359970509793503863292434452979821372314810106167932946631028449469696171039224053771372902752891922016769754759834991455078125
W4X0.00000000000000006525304467998525489675193164621722648991068615740505308396647331551422473484808551961202688568645137644595961008384877991749572753906125
W4X0.000000000000000032626522339992627448375965823108613244955343078702526541983236657757112367424042759806013442843225688222979805041924389958747863769531125
W4X0.0000000000000000163132611699963137241879829155543066224776715393512632709916183288785561837120213799030067214216128441114899025209621949793739318847656625
W4X0.00000000000000008156630584998156862093991457777153311123883576967563163549580916443927809185601068995150336071080642205574495126048109748968696594238281125
W4X0.000000000000000040783152924990784310469957288885766555619417884837815817747904582219639045928005344975751680355403211027872475630240548744843482971191406125
W4X0.0000000000000000203915764624953921552349786444428832778097089424189079088739522911098195229640026724878758401777016055139362378151202743724217414855957031125
W4X0.00000000000000010195788231247696077617489322221441638904854471209453954436976145555490976148200133624393792008885080275696811890756013718621087074279785156625
W4X0.000000000000000050978941156238480388087446611107208194524272356047269772184880727777454880741000668121968960044425401378484059453780068593105435371398925781125
W4X0.0000000000000000254894705781192401940437233055536040972621361780236348860924403638887274403705003340609844800222127006892420297268900342965527176856994628906625
W4X0.00000000000000012744735289059620097021861652776802048631068089011817744246220181944363720185250167030492240011106350344621014863445017148276358842849731445313125
W4X0.000000000000000063723676445298100485109308263884010243155340445059088721231100909721818600926250835152461200055531751723105074317225085741381794214248657226565625
W4X0.0000000000000000318618382226490502425546541319420051215776702225295443606155504548609093004631254175762306000277658758615525371586125428706908971243286132828125
W4X0.00000000000000015930919111324525121277327065971002560788835111264772180307775227430454650231562708788115300013882937930776268579306271435345448562164306640625
W4X0.000000000000000079654595556622625606386635329855012803944175556323860901538876137152273251157813543940576500069414689653881342896531357176727242810821533203125
W4X0.0000000000000000398272977783113128031933176649275064019720877781619304507694380685761366255789067719702882500347073448269406714482656785883636214054107666015625
W4X0.00000000000000019913648889155656401596658832463753200986043888809652253846934703428818312789453385985144125017353672413470335724132839294181810702705383300781125
W4X0.000000000000000099568244445778282007983294162318766004930219444048261269234673517144091563947266929925720625086768362067351678620664196470909053513526916503906625
W4X0.0000000000000000497841222228891410039916470811593830024651097220241306346173367585720457819736334649628603125433841810336758393103320982354545267567634582519531125
W4X0.00000000000000024892061111444570501995823540579691501232554861012065317308668379286022890986816732481430156252169209051683791965516049117727263378381729125976562625
W4X0.000000000000000124460305557222852509979117702898457506162774305060326586543341896430114454934083662407150781260846045258418959827580245588636316891908645629882812625
W4X0.0000000000000000622301527786114262549895588514492287530813871525301632932716709482150572274670418312035753906304230226292094799137901227943181584459543228149414062625
W4X0.00000000000000031115076389305713127494779425724614376540693576265081646635835474107528613733520915601787695315211511314604739956895061397159079222977161407470703125
W4X0.000000000000000155575381946528565637473897128623071882703467881325408233179177370537643068667604578008938476576057556573023699784475306985795396114885807037353515625
W4X0.0000000000000000777876909732642828187369485643115359413517339406627041165895886852688215343338022890044692382880287782865118498922376534928976980574429035186767578125
W4X0.00000000000000038893845486632141409368474282155767970675866970331352058294794342634410767166901144502234619144014389143255924946118826746448849028721451759338378906125
W4X0.000000000000000194469227433160707046842371410778839853379334851656760291473971713172053835834505722511173095720071945716279624730594133732244245143607258796691894531125
W4X0.0000000000000000972346137165803535234211857053894199266896674258283801457369858565860269179172528612555865478600359728581398123652970668661221225718036293983459472656625
W4X0.00000000000000048617306858290176761710592852694709963344833712914190072868492928293013458958626430627793273930017986429069906182648533433061061285901814699172973632812625
W4X0.000000000000000243086534291450883808552964263473549816724168564570950364342464641465067294793132153138966369650089932145349530913242667165305306429509073495864868164062625
W4X0.0000000000000001215432671457254419042764813173677490836208428228547518217123232073325336473965660769483184825044966072674765456621333585826526532147545367479324340820312625
W4X0.00000000000000060771633572862720952138240658683687454180421421142737591085616160366266823698283038474159241252249303363738272831066679291326326607377268373966217041015625
W4X0.000000000000000303858167864313604760691203293418437270902107105713687955428080801831334118491415192370796206261246516818691364155333396456631633036886341869831085205078125
W4X0.0000000000000001519290839321568023803456016467092186354510535285684397714040404009156670592457075961853981031306232584093456820776666982283158165184431709349155426025390625
W4X0.00000000000000075964541966078401190172800823354609317725526764284219885702020200457833529622853798092699051565311629204672841038833349114157908259221585467457713012695312625
W4X0.000000000000000379822709830392005950864004116773046588627633821421099428510101002289167648114268990463495257826558146023364205194166745570789541296107927337288565063476562625
W4X0.0000000000000001899113549151960029754320020583865232943138169107105497142550505011458383240571344952317476289132790730116821025970833727853947706480539636644282531738281125
W4X0.00000000000000094955677457598001487716001029193261647156908455355274857127525250572919162028567247615873814456639536505841012985416863926973853240269818322141265869140625
W4X0.000000000000000474778387287990007438580005145966308235784542276776374285637626252864595810142836238079369072283197682529205064927084319634869266201349091610706329345703125
W4X0.0000000000000002373891936439950037192900025729831541178922711388187142818813126432297905071418119039684535361415988412646025324635421598174346331006745458053531646728515625
W4X0.00000000000000118694596821997501859645001286491577058946135569409357140940656316161489525357090595198422676807079942063230126231771079908717316550337272902676582336425781125
W4X0.000000000000000593472984109987509298225006432457885294730677847046785704703281580807447626785452975992113384035399710316150631158855399543586582751686364513382911682128906625
W4X0.0000000000000002967364920549937546491125032162289426473653389235233928523516407904037238133927264879960566920176998551580753155794276997717932913758431822566914558410644531125
W4X0.00000000000000148368246027496877324556251608114471323682669461761696426175820395201861906696363243998028346008849927579037657789713849885896645687921591128345729205322265625
W4X0.000000000000000741841230137484386622781258040572356618413347308808482130879101976009309533481816219990141730044249637895188288948569249429483228439607955641728646026611328125
W4X0.0000000000000003709206150687421933113906290202861783092066736544042410654395509880046547667409081099950708650221248189475941444742846247147416142198039778208643230133056640625
W4X0.00000000000000185460307534371096655695314510143089154603336827202120532719775494000232383370454054997535432511062409473797072237142312373570807109901988910432161506652832031125
W4X0.000000000000000927301537671855483278476572550715445773016684136010602663598877470001161916852270274987677162555312047368985361185711561867854035549509944552160807533264160156625
W4X0.0000000000000004636507688359277416392382752578577288650834180680053013317994387350005809584261351374938385812776560236844926805928557809339270177747549722760403766632080078125
W4X0.00000000000000231825384417963870819619137628928864432504170903400265066589971936750029047921306756874691929063882801184224634029642789046635885387377486138020188331604003906125
W4X0.000000000000001159126922089819354098095688144644322162520854517001325332949859683750145239606533784373459645319414005921123170148213945233179426936887430690100941658020019531125
W4X0.0000000000000005795634610449096770490478440723221610812604272585006626664749298418750726198032689217367298226597070029605615850741069726165897134684371534505047082900100097656625
W4X0.00000000000002897817305224548385245239220361610805406302136292502513313324874649209375363099016344683649113298535014802807925370534863282058948567342185767252523541450050048828125
W4X0.0000000000000014489086526122741926226196101805402703151068146251256566624373246046875181549508172341824556649267507401403962685267431641029474283671092876262617707250250244140625
W4X0.0000000000000007244543263061370963113098050902701351575534073125628283312186623023437590774754086170912278324633753700701981342633715820514737141835546438131308853625125122070313125
W4X0.0000000000000003622271631530685481556549025451350675787767036562814141656093311511718795387377043085456139162316876850350990671316857910257368570917773219065654426812562561035156125
W4X0.0000000000000001811135815765342740778274512725675337893883518281407070828046655755859397693688521542728069581158438425175495335658428955128684285458886609532827213406281280517578125
W4X0.0000000000000000905567907882671370389137256362837668946941759140703535414023327877929698846844260771364034790579219212587747667829214477564342142729443304766413606703140640258789125
W4X0.0000000000000000452783953941335685194568628181418834473470879570351767707011663938964849423422130385682017395289609606293873833914607238782171071364721652383206803351570320129394531125
W4X0.0000000000000000226391976970667842597284314090709417236735439785175883853505831969482424711711065192841008697644804803146936916957303619391085535682360826191603401675785160064697265625
W4X0.0000000000000000113195988485333921298642157045354708618367719892587941926752915984741212355855532596420504348822402401573468458478651809695542767841180413095801700837892580032348632812625
W4X0.0000000000000000056597994242666960649321078522677354309183859946293970963376457992370606177927766298210252174411201200786734229239325904847771383920590206547900850418946290016174316406125
W4X0.0000000000000000028298997121333480324660539261338677154591929973146985481688228996185303088963883149105126087205600600393367114619662952423885691960295103273950425209473145008087158203125
W4X0.0000000000000000014149498560666740162330269630669338577295964986573492740844114498092651544481941574552563043602800300196683557309831476211942845980147551636975212604736572504043579101562625
W4X0.0000000000000000007074749280333370081165134815334669288647982493286746370422057249046325772240970787276281521801400150098341778654915738105971422990073775818487606302368286252021789550781125
W4X0.0000000000000000003537374640166685040582567407667334644323991246643373185211028624523162886120485393638140760900700075049170889327457869052985711495036887909243803151184143126010894775390625
W4X0.0000000000000000001768687320083342520291283703833667322161995623321686592605514312261581443060242696819070380450350037524585444663728934526492855747518443954621901575592071563005447387695312625
W4X0.0000000000000000000884343660041671260145641851916833661080997811660843296302757156130790721530121348409535190225175018762292722331864467263246427873759221977310950787796035781502723693847656125
W4X0.0000000000000000000442171830020835630072820925958416830540498905830421648151378578065395360765060674204767595112587509381146361165932233631623213936879610988655475393898017890751361846923828125
W4X0.0000000000000000000221085915010417815036410462979208415270249452915210824075689289032697680382530337102383797556293754690573180582966116815811606968439805494327737696949008945375680923461914125
W4X0.0000000000000000000110542957505208907518205231489604207635124726457605412037844644516348840191265168551191898778146877345286590291483058407905803484219902747163868848474504472687840461730957125
W4X0.0000000000000000000055271478752604453759102615744802103817562363228802706018922322258174420095632584275595949389073438672643295145741529203952901742109951373581934424237252236343920230865478125
W4X0.0000000000000000000027635739376302226879551307872401051908781181614401353009461161129087210047816292137797974694536719336321647572870764601976450871054975686790967212118626118171960115432739125
W4X0.0000000000000000000013817869688151113439775653936200525954390590807200676504730580564543605023908146068898987347268359668160823786435382300988225435527487843395483606059313059085980057716369125
W4X0.0000000000000000000006908934844075556719887826968100262977195295403600338252365290282271802511954073034449493673634179834080411893217691150494112717763743921697741803029656529542990028858184125
W4X0.0000000000000000000003454467422037778359943913484050131488597647701800169126182645141135901255977036517224746836817089917040205946608845575247056358881871960848870901514828264771495014429092125
W4X0.0000000000000000000001727233711018889179971956742025065744298823850900084563091322570567950627988518258612373418408544958520102973304422787623528179440935980424435450757414132385747507214546125
W4X0.0000000000000000000000863616855509444589985978371012532872149411925450042281545661285283975313994259129306186709204272479260051486652211393811764089720467990212217725378707066192873753607273125
W4X0.0000000000000000000000431808427754722294992989185506266436074705962725021140772830642641987656997129564653093354602136239630025743326105696905882044860233995106108862689353533096436876803636125
W4X0.0000000000000000000000215904213877361147496494592753133218037352981362510570386415321320993828498564782326546677301068119815012871663052848452941022430116997553054431344676766548218438401818125
W4X0.0000000000000000000000107952106938680573748247296376566609018676490681255285193207660660496914249282391163273338650534059907506435831526424226470511215058498776527215672383274109219200909125
W4X0.0000000000000000000000053976053469340286874123648188283304509338245340627642596603830330248457124641195581636669325267029953753217915763212113235255607529249388263607836191637054609600454625
W4X0.0000000000000000000000026988026734670143437061824094141652254669122670313821298301915165124228562320597790818334662633514976876608957881606056617627803764624694131803918095818527304800227125
W4X0.0000000000000000000000013494013367335071718530912047070826127334561335156910649150957582562114281160298895409167331316757488438304478940803028308813901882312347065901959047909263652400113625
W4X0.0000000000000000000000006747006683667535859265456023535413063667280667578455324575478791281057140580149447704583665658378744219152239470401514154406950941156173532951979523954631826200056875
W4X0.0000000000000000000000003373503341833767929632728011767706531833640333789227662287739395640528570290074723852291832829189372109576119735200757077203475470578086766475989761977315913100028125
W4X0.0000000000000000000000001686751670916883964816364005883853265916820166894613831143869697820264285145037361926145916414594686054788059867600378538601737735289043383237988380988657956550014125
W4X0.0000000000000000000000000843375835458441982408182002941926632958410083447306915571934848910132142572518680963072958207297343027394029933800189269300868867644521691618994190494328978275007125
W4X0.0000000000000000000000000421687917729220991204091001470963316479205041723653457785967424455066071286259340481536479103648671513697014966900094634650434433822260845809497095247164489137503625
W4X0.0000000000000000000000000210843958864610495602045500735481658239602520861826728892983712227533035643129670240768239551824335756848507483450047317325217216911130422904748547623582244568751875
W4X0.0000000000000000000000000105421979432305247801022750367740829119801260430913364446491856113766517821564835120384119775912167878424253741725023658662608608455565211452374273811791122284375937
W4X0.0000000000000000000000000052710989716152623900511375183870414559900630215456682223245928056883258910782417560192059887956083939212126870862511829331304304227782605726137405895561142187968
W4X0.0000000000000000000000000026355494858076311950255687591935207279950315107728341111622964028441629455391208780096029943978041969606063435431255914665652154152113891302863068702947780571093984
W4X0.0000000000000000000000000013177747429038155975127843795967603639975157553864170555811482014220814727695604390048014971989020984803031717715627957332826076576056945651431534351473890285546992
W4X0.0000000000000000000000000006588873714519077987563921897983801819987578776932085277905741007110407363847802195024007485994510492401515858857813978666413038288028472825715767175736945142773496
W4X0.0000000000000000000000000003294436857259538993781960948991900909993789388466042638952870503555203681923901097512003742997255246200757929428906989333206519144014236412857883587868472571386748
W4X0.0000000000000000000000000001647218428629769496890980474495950454996894694233021319476435251777601840961950548756001871498627623100378964714453494666603259572007118206428941793934236285693374
W4X0.0000000000000000000000000000823609214314884748445490237247975227498447347116510659738217625888800920480975274378000935749313811550189482357226747333301629786003559103214470896967118142846687
W4X0.0000000000000000000000000000411804607157442374222745118623987613749223673558255329869108812944400460240487637189000467874656905775094741178613373666650814893001779551607235448483559071423343
W4X0.0000000000000000000000000000205902303578721187111372559311993806874611836779127664934554406472200230120243818594500233937328452887547370589306686833325407446500889775803617724241779535711671
W4X0.0000000000000000000000000000102951151789360593555686279655996903437305918389563832467277203236100115060121909297250116968664226443773685294653343416662703723250444887901808862120889767855835
W4X0.0000000000000000000000000000051475575894680296777843139827998451718652959194781916233638601618050057530060954648625058484332113221886842647326671708331351861625222443950904431060444883927917
W4X0.0000000000000000000000000000025737787947340148388921569913999225859326479597390958116819300809025028765030477324312529242166056610943421323663335854165675930812611221975452215530222441963958
W4X0.0000000000000000000000000000012868893973670074194460784956999612929663239798695479058409650404512514382515238662156264621083028305471710661831667927082837965406305610987726107765111220981979
W4X0.0000000000000000000000000000006434446986835037097230392478499806464831619899347739529204825202256257191257619331078132310541514152735855330915833963541418982703152805493863053882555610490989
W4X0.0000000000000000000000000000003217223493417518548615196239249903232415809949673869764602412601128128595628809665539066155270757367927665457916981770709491351576402746931526941277805245494
W4X0.0000000000000000000000000000001608611746708759274307598119624951616207904974836934882301206300564064297814404832769533077635378683963832728958490885354745675788201373465763470638902622747
W4X0.0000000000000000000000000000000804305873354379637153799059812475808103952487418467441150603150282032148907202416384766538817689341981916364479245442677372837894100686732881735319451311373
W4X0.0000000000000000000000000000000402152936677189818576899529906237904051976243709233720575301575141016074453601208192383269408844670990958182239622721338686418947050343366440867659725655686
W4X0.0000000000000000000000000000000201076468338594909288449764953118952025988121854616860287650787570508037226800604096191634704422335495479091119811360669343209473525171683220433829862827843
W4X0.0000000000000000000000000000000100538234169297454644224882476559476012994060927308430143825393785254018613400302048095817352211167747739545559905680334671604736762585841610216914931413921
W4X0.0000000000000000000000000000000050269117084648727322112441238279738006497030463654215071912696892627009306700151024047908676105583873769772779840167335802368381292920805108457465706960
W4X0.0000000000000000000000000000000025134558542324363661056220619139869003248515231827107535956348446313504653350075512023954338052791936884886389920083667901184190646460402554228732853480
W4X0.0000000000000000000000000000000012567279271162181830528110309569934501624257615913553767978174223156752326675037756011977169026395968442443194960041833950592095323230201277114366426740
W4X0.0000000000000000000000000000000006283639635581090915264055154784967250812128807956776883989087111578376163337518878005988584513197984221221597480020916975296047661615100638557183213370
W4X0.0000000000000000000000000000000003141819817790545457632027577392483625406064403978388441994543555789188081668759439002994292256598992110610798740010458487648023830807550319278591606685
W4X0.0000000000000000000000000000000001570909908895272728816013788696241812703032201989194220997271777894594040834379719501497146128299496055305399370005229243824011915403775159639295803342
W4X0.0000000000000000000000000000000000785454954447636364408006894348120906351516100994597110498635888947297020417189859750748573064149748027652699685002614621912005957701887579819647901671
W4X0.0000000000000000000000000000000000392727477223818182204003447174060453175758050497298555249317944473648510208594929875374286532074874013826349842501307310956002978850943789909823950835
W4X0.0000000000000000000000000000000000196363738611909091102001723587030226587879025248649277624658972236824255104297464937687143266037437006913174921250653655478001489425471894954911975417
W4X0.0000000000000000000000000000000000098181869305954545551000861793515113293939512624324638812329486118412127552148732468843571633018718503456587460625326827739000744712735947477455987708
W4X0.0000000000000000000000000000000000049090934652977272775500430896757556646969756312162319406164743059206063776074366234421785816509359251728293730312663413869500372356367973738727993854
W4X0.0000000000000000000000000000000000024545467326488636387750215448378778323484878156081159703082371529603031888037183117210892908254679625864146865156331706934750186178183986869363996927
W4X0.0000000000000000000000000000000000012272733663244318193875107724189389161742439078040579851541185764801515944018591558605446454127339812932073432578165853467375093089091993434681998463
W4X0.0000000000000000000000000000000000006136366831622159096937553862094694580871219539020289925770592882400757972009295779302723227063669906466036716289082926733687546544545996717340999231
W4X0.0000000000000000000000000000000000003068183415811079548468776931047347290435609769510144962885296441200378986004647889651361613531834953233018358144541463366843773272272998358670499615
W4X0.0000000000000000000000000000000000001534091707905539774234388465523673645217804884755072481442648220600189493002323944825680806765917476616509179072270731683421886636136499179335249807
W4X0.0000000000000000000000000000000000000767045853952769887117194232761836822608902442377536240721324110300094746501161972412840403382958738308254589536135365841710943318068249589667624903
W4X0.0000000000000000000000000000000000000383522926976384943558597116380918411304451221188768120360662055150047373250580986206420201691479369154127294768067682920855471659034124794833812451
W4X0.0000000000000000000000000000000000000191761463488192471779298558190459205652225610594384060180331027575023686625290493103210100845739684577063647384033841460427829517062397416906226
W4X0.0000000000000000000000000000000000000095880731744096235889649279095229602826112805297192030090165513787511843312645246551605050422869842288531823692016920730213914758531198708453113
W4X0.0000000000000000000000000000000000000047940365872048117944824639547614801413056402648596015045082756893755921656322623275802525211434921144265911846008460365106957379265599354226556
W4X0.0000000000000000000000000000000000000023970182936024058972412319773807400706528201324298007522541378446877960828161311637901262605717460572132955923004230182553478689632799677113278
W4X0.0000000000000000000000000000000000000011985091468012029486206159886903700353264100662149003761270689223438980414080655818950631302858730286066477961502115091276739344816399838556639
W4X0.0000000000000000000000000000000000000005992545734006014743103079943451850176632050331074501880635344611719490207040327909475315651429365143033238980751057545638369672408199919278319
W4X0.0000000000000000000000000000000000000002996272867003007371551539971725925088316025165537250940317672305859745103520163954737657825714682571516619490375528772819184836204099959639159
W4X0.0000000000000000000000000000000000000001498136433501503685775769985862962544158012582768625470158836152929872551760081977368828912857341285758309745187764409592418102049979819579
W4X0.0000000000000000000000000000000000000000749068216750751842887884992931481272079006291384312735079418076464936275880040988684414456428670642879154872593882204796209051024989909789
W4X0.0000000000000000000000000000000000000000374534108375375921443942496465740636039503145692156367539709038232468137940020494342207228214335321439577436296941102398104525512494954894
W4X0.0000000000000000000000000000000000000000187267054187687960721971248232870318019751572846078183769854519116234068970010247171103614107167660719788718148470551199052262756247477447
W4X0.0000000000000000000000000000000000000000093633527093843980360985624116435159009875786423039091884927259558117034485005123585551807053583830359894359074235275599526131378123738723
W4X0.0000000000000000000000000000000000000000046816763546921990180492812058217579504937893211519545942463629779058517242502561792775903526791915179947179537117637799763065689061869361
W4X0.0000000000000000000000000000000000000000023408381773460995090246406029108789752468946605759772971231814889529258621251280896387951763395957589973589768558818899881532844530934680
W4X0.0000000000000000000000000000000000000000011704190886730497545123203014554394876234473302879886485615907444764629310625640448193975881697978794986794884279409449940766422265467340
W4X0.0000000000000000000000000000000000000000005852095443365248772561601507277197438117236651



ROOF FRAMING PLAN

NOTES:
1. TOP OF NEW STEEL SHALL BE 5¾" BELOW EXISTING CONC. FLOOR U.O.N. THUS (a----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWGS. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERFIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:
1. —|— INDICATES EXISTING STEEL FRAMING.
2. ○ INDICATES NEW POST GOING UP FROM THIS LEVEL.
3. C.P. INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-53.
4. △ INDICATES TYPE OF EXIST. CONNECTION REINF. DETAIL. SEE DETAIL ON DWG. S-33

△

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
9	9-18-90	ISSUED FOR BULLETIN #120
8	8-17-90	ISSUED FOR BULLETIN #116
7	7/2/90	ISSUED FOR BULLETIN #103
6	1/22/90	ISSUED FOR BULLETIN #95
5	8/15/89	REVISED AS NOTED
4	4/6/89	REVISED AS CIRCLED
3	3/1/89	REVISED AS CIRCLED
2	1/20/89	REVISED AS CIRCLED
	11/5/88	ISSUED FOR CONST.
1	10/10/88	SUBMITTED FOR CONSTRUCTION

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

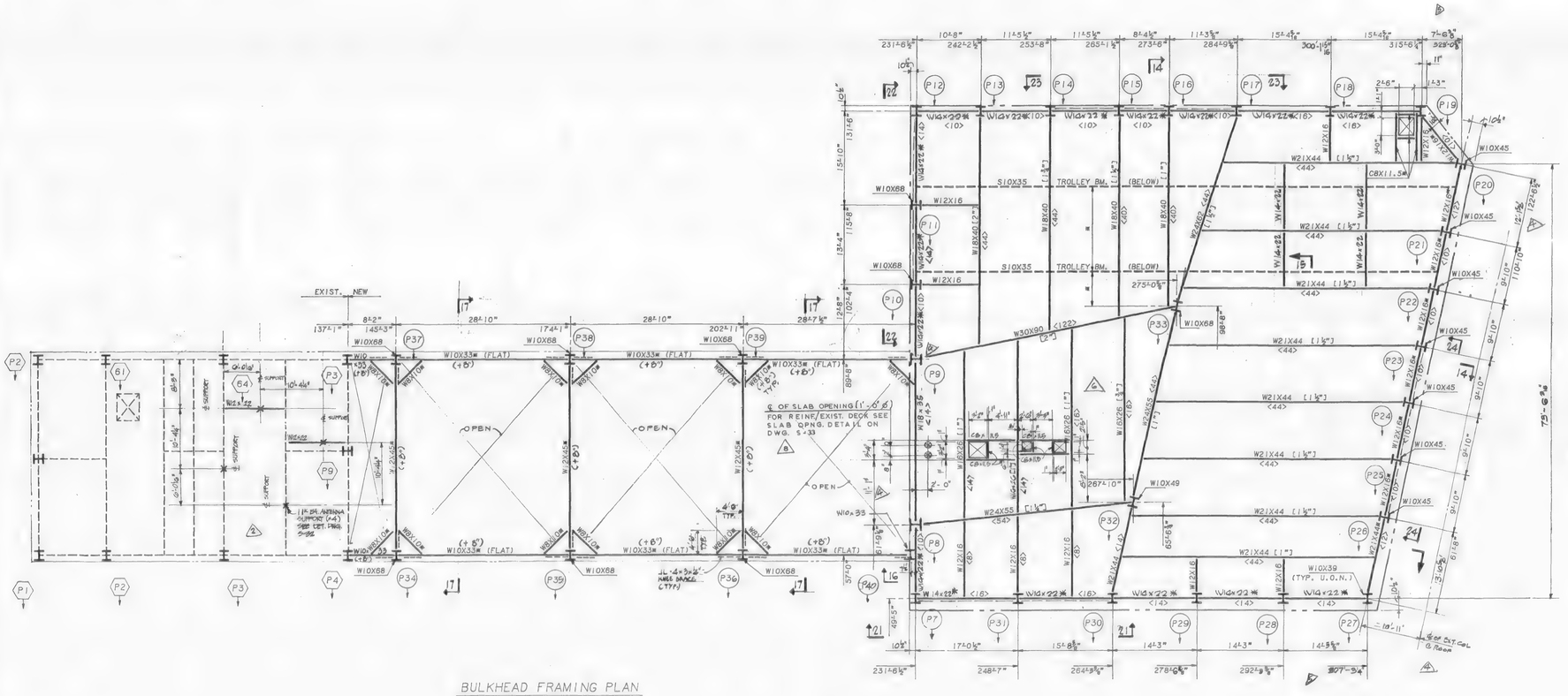
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

ROOF FRAMING PLAN

© Skidmore, Owings & Merrill, 1988

Project No:
Date:
Scale:
Sheet No. S-23

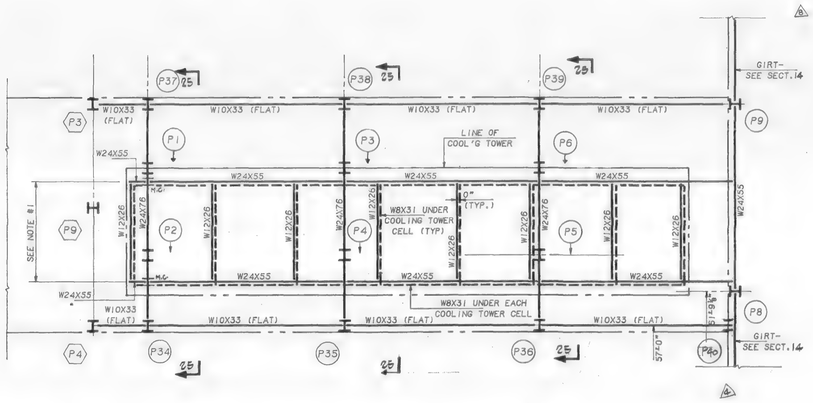
88057



BULKHEAD FRAMING PLAN

NOTES:

1. SLAB SHALL BE 5½" (3"+2½") MIN. THICK STONE CONC. HAVING A COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS PLACED OVER 3" DEEP, 20 GAUGE COMPOSITE METAL DECK REINF. WITH 6X6-W2.4XW2.4 W.W.F. (U.O.N.) WHERE NOTED ON PLAN. TOP OF STRUCTUREAL SLAB SLOPES. H.P. EL. = 846'-6½" AND L.P. EL. = 846'-4" U.O.N. ON PLAN. SEE ARCH. DWGS. FOR SLOPES.
2. TOP OF STEEL SHALL BE AT EL. 845'-10½" UNLESS NOTED THUS (±...) INDICATING DISTANCE ABOVE OR BELOW EL. 846'-4".
3. ALL BEAMS SHALL BE ASTM 572, GRADE 50 STEEL U.O.N. THUS ■ INDICATING A36 STEEL.
4. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWG. S-32 & S-33. FOR SUPERSTRUCTURE GENERAL NOTES SEE DWG. S-32.
5. <...> INDICATES SHEAR CONNECTORS.
6. [..] INDICATES CAMBER.
7. FLOOR SLAB SHALL BE SHORED AS PER MANUFACTURER'S REQUIREMENTS.
8. ALL POSTS SHALL BE W10X39 U.O.N. ON PLAN.
9. (P..) INDICATES NEW POST GOING DOWN.
10. ■ TROLLEY BEAM LOCATION TO BE COORDINATED WITH CHILLER SHOP DGWS.



COOLING TOWER SUPPORT FRAMING PLAN

NOTES:

1. LOCATION OF COOLING TOWER SUPPORT BEAMS TO BE COORDINATED WITH COOLING TOWER SHOP DRAWINGS.
2. FOR TOP OF STEEL EL. SEE MECHANICAL DWGS.
3. ALL STEEL BEAMS SHALL BE ASTM A36. (Fy=36 KSI MIN. STEEL BEAMS THUS NOTED (■) IN PLAN SHALL BE ASTM A572 GRADE 50.
4. ALL BOLT HOLES REQUIRED FOR COOLING TOWER SHALL BE PROVIDED AS PER CERTIFIED COOLING TOWER SHOP DWGS.

6.9.95

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
	6.9.95	AS BUILT - REF. ISSUE 11.5.93
	11.5.93	ISSUED FOR T. & A. REVIEW
8	9-18-90	ISSUED FOR BULLETIN #120
7	8-17-90	ISSUED FOR BULLETIN #116
6	7-3-90	ISSUED FOR BULLETIN #105
5	5/8/89	REVISED AS CIRCLED
4	5.22.89	REVISED AS CIRCLED
3	4/6/89	REVISED AS CIRCLED
2	3/1/89	REVISED AS CIRCLED
1	1.7.89	ISSUED FOR CONST.
	12/19/88	ISSUED FOR PERMIT AND FOR BIDDING FOR SHELL, EXTERIORS, FOUNDATIONS

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

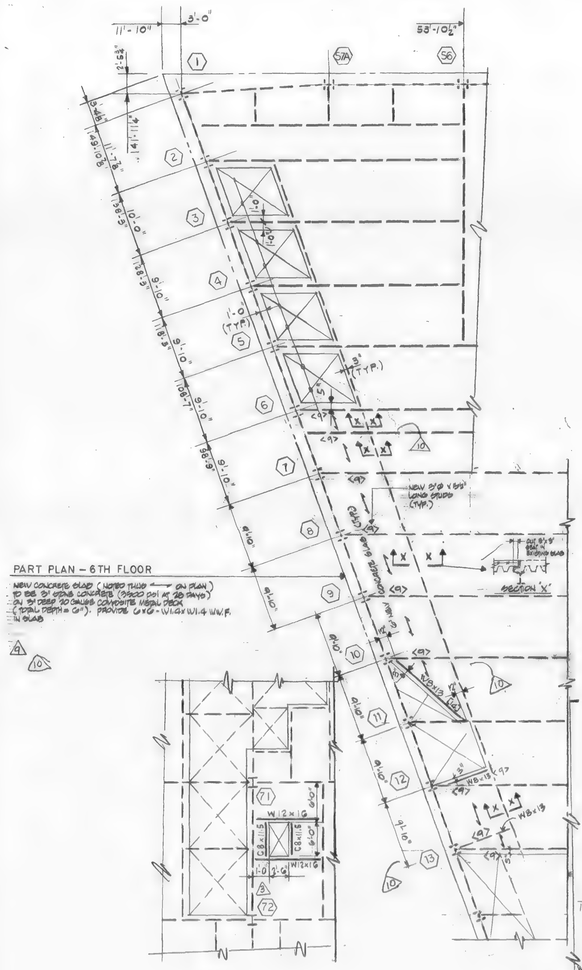
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

BULKHEAD FRAMING PLANS

© Skidmore, Owings & Merrill 1988

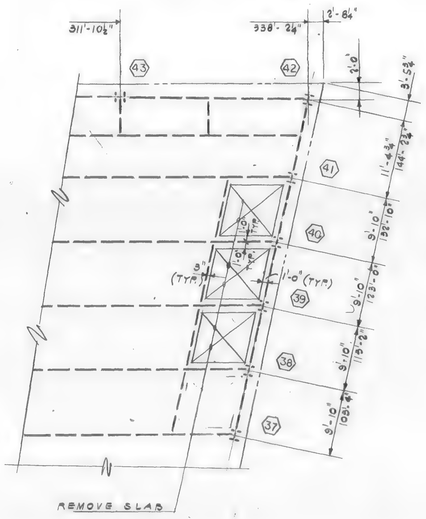
Project No.:
Date:
Scale:
Sheet No.: S-24

55057

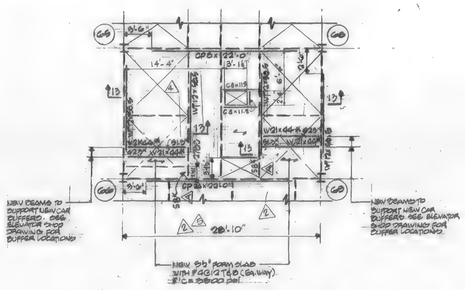


PART PLAN - 6TH FLOOR

NEW CONCRETE SLAB (NOTED THUS ——— ON PLAN) TO BE 31" DEEP COMPOSITE (7" DEEP CONC. ON 24" DEEP) ON 3" DEEP 20 GAUGE COMPOSITE METAL DECK (TOTAL DEPTH = 34"). PROVIDE 6"x6" - W1.4 x W1.4 W.W.F. IN SLAB

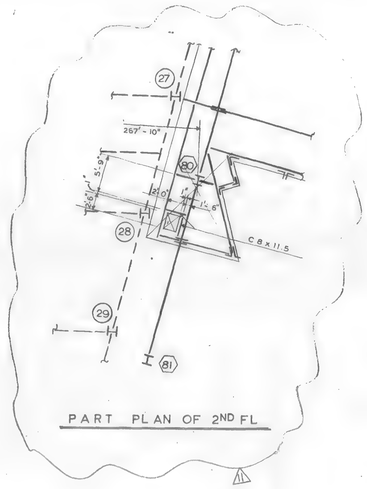


PART PLAN - 6TH FL.



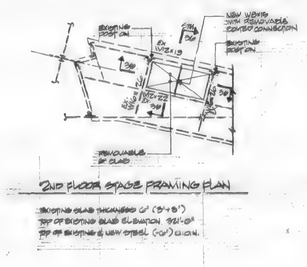
PART PLAN 27TH FLOOR

NOTE: △ INDICATES TYPE OF EXIST. CONNECTION REINF. DETAIL. SEE DETAIL ON DWG. S-33

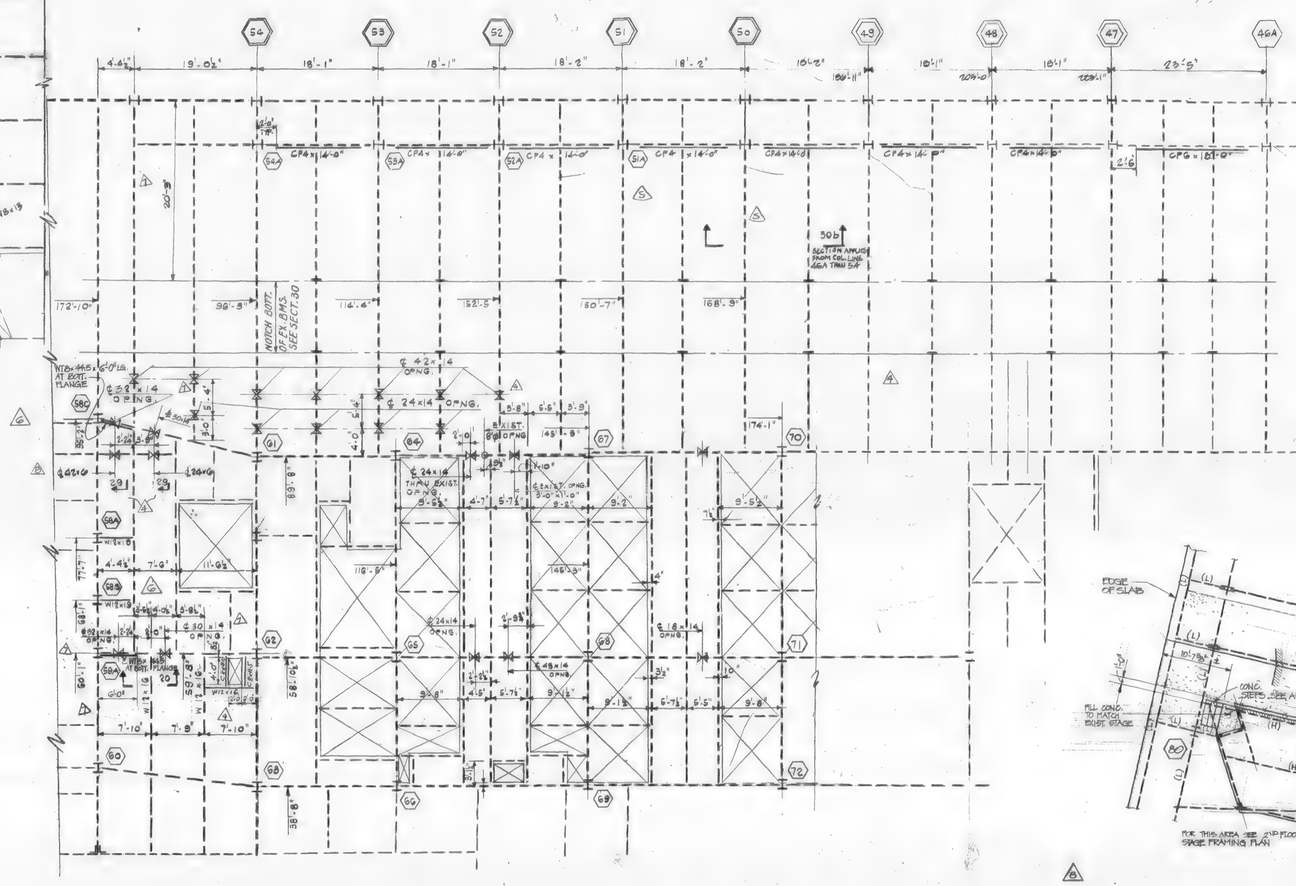


PART PLAN OF 2ND FL

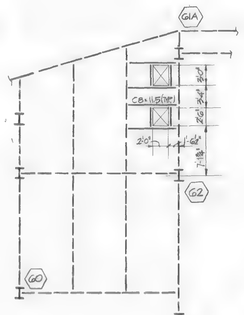
PART PLAN: 24TH - 29TH FL



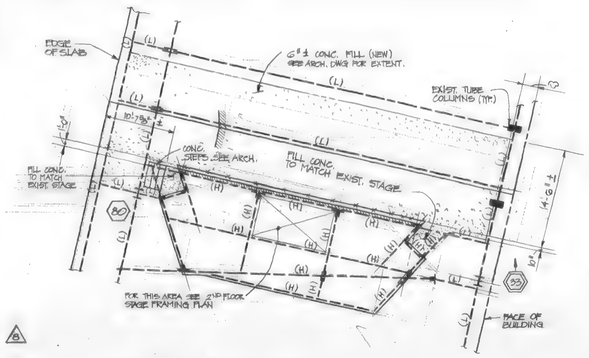
2ND FLOOR STAGE FRAMING PLAN



PART 6TH FL. FRAMING PLAN



PART PLAN 2ND FLOOR



PART 2ND FLOOR PLAN

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
11	6-7-90	ISSUED FOR BULLETIN No 9
10	10/2/89	ISSUED BULLETIN No.
9	11/20/89	ISSUED BULLETIN NO. 12
8	10/4/89	REVISED AS CIRCLED
7	8/15/89	REVISED AS CIRCLED
6	6-12-89	REVISED AS CIRCLED
5	6-15-89	REVISED AS CIRCLED
4	4-6-89	REVISED AS CIRCLED
	4.4.89	ISSUED TO DOH BOSTON FOR APPROVAL
3	3/1/89	REVISED AS CIRCLED
2	11/16/88	REVISED AS CIRCLED
	11/1/88	ISSUED FOR CONST.
1	11/17/88	REVISED AS CIRCLED PER SEATTLE REV.
	12/19/88	ISSUED TO P.A.

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEIPAK GROUP

PART PLANS

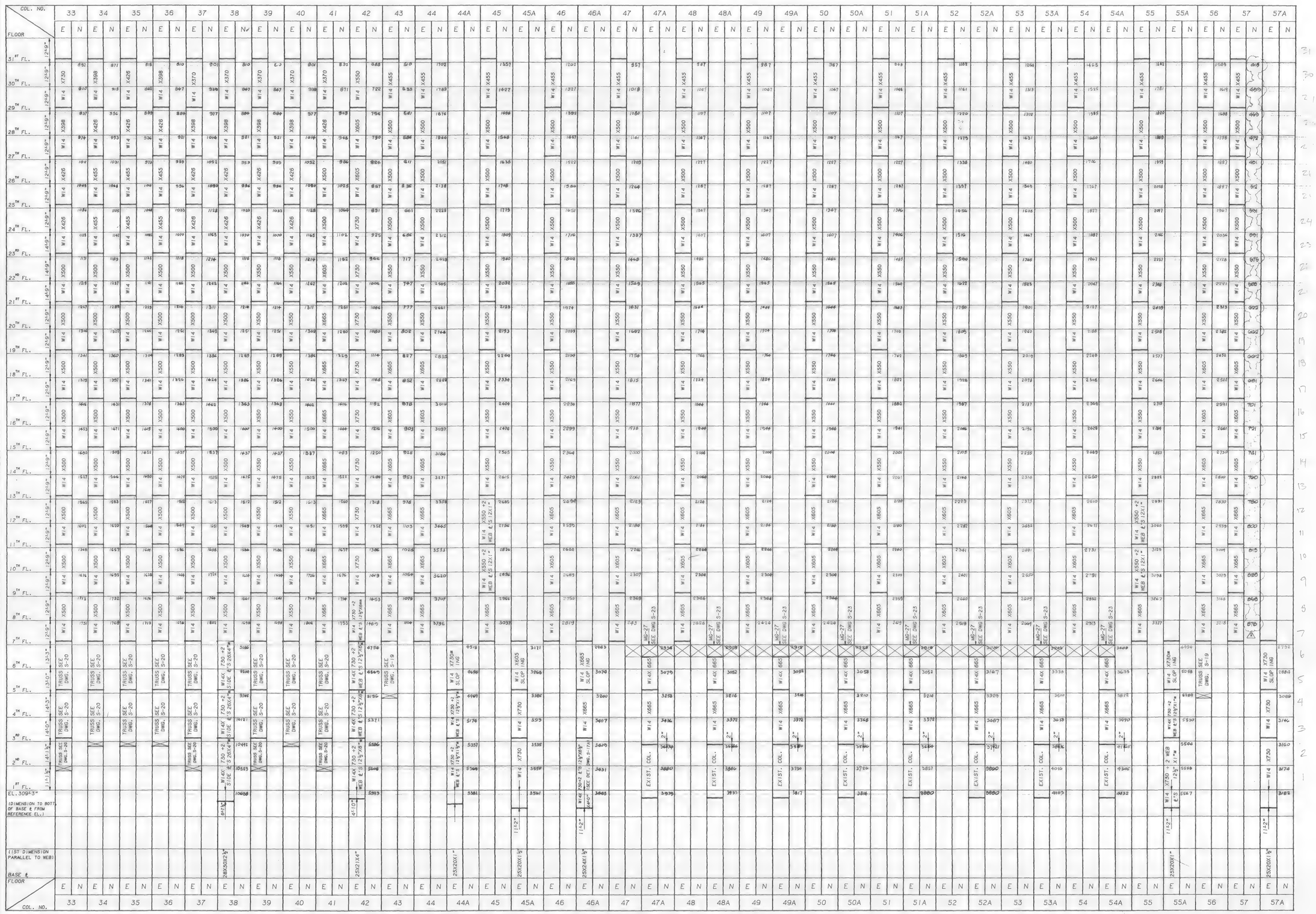
© Skidmore, Owings & Merrill 1988

Project No:
Sheet No. S-25
Date:
Scale:

#88037 201

| COL. NO. / FLOOR | | 1 E | 1 N | 2 E | 2 N | 3 E | 3 N | 4 E | 4 N | 5 E | 5 N | 6 E | 6 N | 7 E | 7 N | 8 E | 8 N | 9 E | 9 N | 10 E | 10 N | 11 E | 11 N | 12 E | 12 N | 13 E | 13 N | 14 E | 14 N | 14A E | 14A N | 15 E | 15 N | 16 E | 16 N | 17 E | 17 N | 17A E | 17A N | 18 E | 18 N | 18A E | 18A N | 19 E | 19 N | 19A E | 19A N | 20 E | 20 N | 21 E | 21 N | 21A E | 21A N | 22 E | 22 N | 22A E | 22A N | 23 E | 23 N | 23A E | 23A N | 24 E | 24 N | 24A E | 24A N | 25 E | 25 N | 25A E | 25A N | 26 E | 26 N | 27 E | 27 N | 28 E | 28 N | 29 E | 29 N | 30 E | 30 N | 31 E | 31 N | 32 E | 32 N |
|---|---|---

| COL. NO. / FLOOR | 1 E | 1 N | 2 E | 2 N | 3 E | 3 N | 4 E | 4 N | 5 E | 5 N | 6 E | 6 N | 7 E | 7 N | 8 E | 8 N | 9 E | 9 N | 10 E | 10 N | 11 E | 11 N | 12 E | 12 N | 13 E | 13 N | 14 E | 14 N | 14A E | 14A N | 15 E | 15 N | 16 E | 16 N | 17 E | 17 N | 17A E | 17A N | 18 E | 18 N | 18A E | 18A N | 19 E | 19 N | 19A E | 19A N | 20 E | 20 N | 21 E | 21 N | 21A E | 21A N | 22 E | 22 N | 22A E | 22A N | 23 E | 23 N | 23A E | 23A N | 24 E | 24 N | 24A E | 24A N | 25 E | 25 N | 25A E | 25A N | 26 E | 26 N | 27 E | 27 N | 28 E | 28 N | 29 E | 29 N | 30 E | 30 N | 31 E | 31 N | 32 E | 32 N |
|---|---|---



Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

NOTES

LEGEND

No.	Date	Revision
2	3/1/88	REVISED AS CIRCLED
1	1/5/88	ISSUED FOR CONST.
[illegible]	12/18/87	ISSUED FOR PERMIT & FOR ADDITIONAL INFORMATION & MINOR MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER: THE CANTOR/SEINUK GROUP

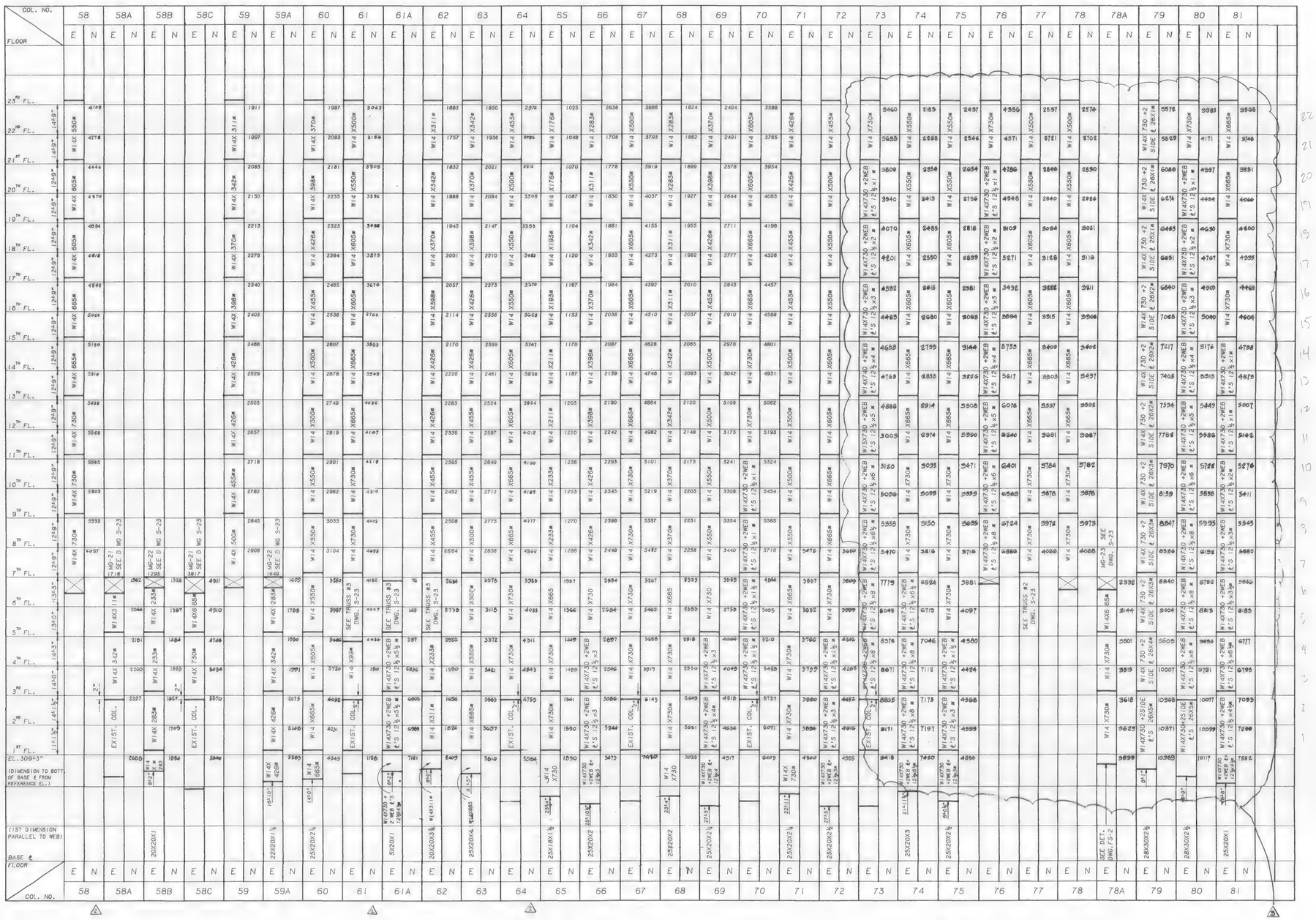
COLUMN SCHEDULE #3

© Skidmore, Owings & Merrill 1988

Project No:
Date:
Scale:
Sheet No. S-28

BE057

COL. NO. / FLOOR	33 E	33 N	34 E	34 N	35 E	35 N	36 E	36 N	37 E	37 N	38 E	38 N	39 E	39 N	40 E	40 N	41 E	41 N	42 E	42 N	43 E	43 N	44 E	44 N	44A E	44A N	45 E	45 N	45A E	45A N	46 E	46 N	46A E	46A N	47 E	47 N	47A E	47A N	48 E	48 N	48A E	48A N	49 E	49 N	49A E	49A N	50 E	50 N	50A E	50A N	51 E	51 N	51A E	51A N	52 E	52 N	52A E	52A N	53 E	53 N	53A E	53A N	54 E	54 N	54A E	54A N	55 E	55 N	55A E	55A N	56 E	56 N	57 E	57 N	57A E	57A N
MAIN ROOF		



Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
2	3/1/89	REVISED AS CIRCLED
1	1/9/89	ISSUED FOR CONST.
	12/19/88	ISSUED FOR APPROVAL OF SHOP DRAWINGS AND PRICING

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEIKAN GROUP

COLUMN SCHEDULE #5

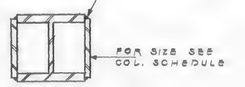
© Skidmore, Owings & Merrill, 1988

Project No.:
Sheet No.: S-30
Date:
Scale:

88057

COL. NO. / FLOOR		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		
		E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	
BULKHEAD ROOF									31				29				35				35				11																								
MAIN ROOF	4'-10"							W14 X90#																																										
47TH FL.	12'-9"	W14 X99#	154	W14 X90#	97	W14 X90#	83	W14 X90#	170	W14 X90#	134	W14 X90#	86	W14 X90#	188	W14 X90#	225	W14 X90#	85	W14 X90#	159	W14 X90#	194	W14 X90#	89	W14 X99#	138	W14 X90#	134	W14 X90#	87	W14 X90#	145	W14 X90#	132	W14 X90#	84	W14 X120#	376	W14 X99#	205	W14 X90#	94	W14 X99#	624	W14 X90#	395	W14 X90#	118	47
46TH FL.	12'-9"	W14 X109#	353	W14 X90#	183	W14 X90#	135	W14 X99#	435	W14 X90#	229	W14 X90#	184	W14 X99#	408	W14 X90#	602	W14 X90#	256	W14 X99#	367	W14 X90#	510	W14 X90#	183	W14 X99#	216	W14 X90#	256	W14 X99#	217	W14 X109#	223	W14 X90#	256	W14 X90#	183	W14 X90#	582	W14 X90#	329	W14 X90#	220	W14 X132	928	W14 X99#	816	W14 X99#	296	46
45TH FL.	12'-9"	W14 X99#	711	W14 X90#	264	W14 X90#	251	W14 X99#	552	W14 X90#	300	W14 X90#	310	W14 X99#	590	W14 X90#	824	W14 X90#	336	W14 X99#	590	W14 X90#	618	W14 X90#	542	W14 X99#	444	W14 X90#	363	W14 X90#	398	W14 X90#	432	W14 X90#	328	W14 X90#	298	W14 X120#	859	W14 X90#	445	W14 X90#	592	W14 X132	1166 K3 1166 K4	W14 X99#	730 K3 730 K4	W14 X99#	305	45
44TH FL.	12'-9"	W14 X145#	900	W14 X99#	344	W14 X99#	342	W14 X132#	685	W14 X99#	367	W14 X99#	390	W14 X120#	869	W14 X90#	845	W14 X99#	422	W14 X132#	730	W14 X99#	868	W14 X99#	434	W14 X132#	805	W14 X99#	487	W14 X120#	324	W14 X145#	596	W14 X99#	420	W14 X109#	413	W14 X150#	1033	W14 X99#	562	W14 X99#	511	W14 X132#	1406	W14 X145#	965	W14 X145#	681	44
43RD FL.	12'-9"	W14 X145#	1128	W14 X99#	425	W14 X99#	432	W14 X159#	887	W14 X99#	457	W14 X99#	470	W14 X120#	864	W14 X90#	666	W14 X99#	487	W14 X132#	866	W14 X99#	733	W14 X99#	527	W14 X132#	774	W14 X99#	599	W14 X120#	635	W14 X145#	762	W14 X99#	523 K3 1313 K4	W14 X109#	528	W14 X150#	1225 K3 1225 K4	W14 X99#	678 K3 1356 K4	W14 X99#	831 K3 1662 K4	W14 X132#	1882 K3 1882 K4	W14 X145#	1182 K3 1182 K4	W14 X145#	838 K3 838 K4	43
42ND FL.	12'-9"	W14 X193#	1262	W14 X109#	495	W14 X109#	503	W14 X159#	976	W14 X109#	497	W14 X109#	555	W14 X145#	873	W14 X99#	683	W14 X109#	543	W14 X159#	1014	W14 X109#	783	W14 X109#	632	W14 X159#	834	W14 X132#	731	W14 X132#	675	W14 X176#	782	W14 X132#	518	W14 X132#	549	W14 X193#	1255 SIDE #5 2-2¼"	W14 X120#	1067 SIDE #5 2-2¼"	W14 X257#	1967 SIDE #5 2-2¼"	W14 X193#	1107 SIDE #5 2-2¼"	W14 X176#	1045 SIDE #5 2-2¼"	42
41ST FL.	12'-9"	W14 X193#	1355	W14 X109#	585	W14 X109#	574	W14 X159#	1079	W14 X109#	557	W14 X109#	601	W14 X145#	1041	W14 X99#	899	W14 X109#	599	W14 X159#	1150	W14 X109#	834	W14 X109#	725	W14 X159#	984	W14 X132#	852	W14 X132#	796	W14 X176#	953	W14 X132#	641	W14 X132#	888	W14 X193#	1438 2-2¼"	W14 X120#	811 2-2¼"	W14 X257#	1962 2-2¼"	W14 X193#	1385 2-2¼"	W14 X176#	1021 2-2¼"	41
40TH FL.	12'-9"	W14 X233#	1593	W14 X132#	655	W14 X132#	645	W14 X193#	1161	W14 X132#	616	W14 X132#	686	W14 X176#	1149	W14 X99#	716	W14 X132#	655	W14 X193#	1297	W14 X132#	884	W14 X132#	830	W14 X193#	1028	W14 X159#	956	W14 X159#	837	W14 X211#	970	W14 X176#	646	W14 X176#	685	W14 X257#	1566 SIDE #5 2-2¼"	W14 X145#	864 SIDE #5 2-2¼"	W14 X233#	1447 SIDE #5 2-2¼"	W14 X311#	1776 SIDE #5 2-2¼"	W14 X233#	1107 SIDE #5 2-2¼"	W14 X211#	1059 SIDE #5 2-2¼"	40
39TH FL.	12'-9"	W14 X283#	1864	W14 X132#	706	W14 X132#	716	W14 X193#	1293	W14 X132#	679	W14 X132#	731	W14 X176#	1238	W14 X99#	732	W14 X132#	712	W14 X193#	1433	W14 X132#	935	W14 X132#	923	W14 X193#	1200	W14 X159#	1077	W14 X159#	957	W14 X211#	1141	W14 X176#	748	W14 X176#	804	W14 X257#	1639	W14 X145#	963	W14 X145#	894	W14 X311#	2243	W14 X233#	1567	W14 X211#	1203	39
38TH FL.	12'-9"	W14 X283#	1941	W14 X145#	846	W14 X159#	858	W14 X211#	1461	W14 X145#	795	W14 X159#	881	W14 X211#	1417	W14 X109#	788	W14 X145#	824	W14 X233#	1704	W14 X159#	1029	W14 X159#	1109	W14 X257#	1412	W14 X193#	1286	W14 X193#	1108	W14 X257#	1605	W14 X211#	856	W14 X233#	854	W14 X311#	2156	W14 X176#	1190	W14 X176#	1058	W14 X370#	2955	W14 X283#	1940	W14 X257#	1427	38
37TH FL.	12'-9"	W14 X311#	2078	W14 X159#	922	W14 X193#	932	W14 X233#	1592	W14 X159#	854	W14 X176#	928	W14 X257#	1806	W14 X109#	782	W14 X159#	880	W14 X283#	1991	W14 X176#	1159	W14 X193#	1182	W14 X342#	1648	W14 X233#	1483	W14 X233#	1197	W14 X342#	1550	W14 X257#	870	W14 X283#	1007	W14 X370#	2109	W14 X233#	1330	W14 X233#	1104	W14 X426#	3819	W14 X342#	1862	W14 X311#	1915	37
36TH FL.	12'-9"	W14 X311#	2209	W14 X159#	992	W14 X193#	1003	W14 X233#	1644	W14 X159#	914	W14 X176#	992	W14 X257#	1639	W14 X109#	799	W14 X159#	938	W14 X283#	2109	W14 X176#	1211	W14 X193#	1275	W14 X342#	1807	W14 X233#	1570	W14 X233#	1308	W14 X342#	1648	W14 X257#	1045	W14 X283#	1150	W14 X370#	2565	W14 X233#	1924	W14 X233#	1270	W14 X426#	3005	W14 X342#	2154	W14 X311#	1740	36
35TH FL.	12'-9"	W14 X370#	2435	W14 X193#	1072	W14 X211#	1094	W14 X283#	1835	W14 X176#	988	W14 X193#	1074	W14 X283#	1785	W14 X120#	820	W14 X176#	1001	W14 X311#	2228	W14 X193#	1264	W14 X211#	1368	W14 X370#	1968	W14 X257#	1657	W14 X283#	1418	W14 X398#	1892	W14 X311#	1395	W14 X342#	1395	W14 X426#	2998	W14 X283#	1640	W14 X283#	1388	W14 X455#	3502	W14 X398#	2585	W14 X370#	1902	35
34TH FL.	12'-9"	W14 X370#	2641	W14 X193#	1147	W14 X211#	1168	W14 X283#	2027	W14 X176#	1044	W14 X193#	1137	W14 X283#	1971	W14 X120#	837	W14 X176#	1053	W14 X311#	2368	W14 X193#	1305	W14 X211#	1461	W14 X370#	2099	W14 X257#	1727	W14 X283#	1506	W14 X398#	2015	W14 X311#	1520	W14 X342#	1520	W14 X426#	3209	W14 X283#	1956	W14 X283#	1684	W14 X455#	3830	W14 X398#	2754	W14 X370#	2054	34
33RD FL.	12'-9"	W14 X426#	2795	W14 X211#	1222	W14 X233#	1242	W14 X342#	2119	W14 X193#	1100	W14 X211#	1200	W14 X311#	2055	W14 X132#	853	W14 X193#	1104	W14 X342#	2484	W14 X211#	1347	W14 X233#	1554	W14 X398#	2230	W14 X283#	1798	W14 X311#	1594	W14 X455#	2054	W14 X370#	1580	W14 X370#	1481	W14 X455#	2168	W14 X342#	1718	W14 X342#	1658	W14 X500#	3818	W14 X455#	2970	W14 X426#	2171	33
32ND FL.	12'-9"	W14 X426#	2978	W14 X211#	1297	W14 X233#	1316	W14 X342#	2210	W14 X193#	1157	W14 X211#	1263	W14 X311#	2168	W14 X132#	870	W14 X193#	1156	W14 X342#	2582	W14 X211#	1388	W14 X233#	1647	W14 X398#	2361	W14 X283#	1868	W14 X311#	1682	W14 X455#	2249	W14 X370#	1693	W14 X370#	1975	W14 X455#	2316	W14 X342#	1771	W14 X342#	1684	W14 X500#	3807	W14 X455#	2727	W14 X426#	2579	32
31ST FL.	12'-9"	W14 X455#	3043	W14 X233#	1372	W14 X257#	1390	W14 X370#	2301	W14 X211#	1213	W14 X233#	1325	W14 X342#	2296	W14 X145#	886	W14 X211#	1207	W14 X370#	2700	W14 X233#	1429	W14 X257#	1740	W14 X426#	2491	W14 X311#	1939	W14 X342#	1770	W14 X500#	2599	W14 X398#	1828	W14 X398#	2600	W14 X500#	3080	W14 X370#	1819	W14 X370#	1780	W14 X500#	4080	W14 X500#	3666	W14 X455#	2660	31
30TH FL.	12'-9"	W14 X455#	3187	W14 X233#	1446	W14 X257#	1464	W14 X370#	2393	W14 X211#	1270	W14 X233#	1388	W14 X342#	2314	W14 X145#	903	W14 X211#	1259	W14 X370#	2831	W14 X233#	1621	W14 X257#	1919	W14 X426#	2624	W14 X311#	2090	W14 X342#	1939	W14 X500#	2608	W14 X398#	1926	W14 X398#	2768	W14 X500#	3518	W14 X370#	1908	W14 X370#	1878	W14 X500#	4184	W14 X500#	3580	W14 X455#	2745	30
29TH FL.	12'-9"	W14 X500#	3341	W14 X257#	1509	W14 X283#	1535	W14 X398#	2484	W14 X233#	1328	W14 X257#	1451	W14 X370#	2418	W14 X145#	920	W14 X233#	1310	W14 X398#	2949	W14 X257#	1649	W14 X283#	1985	W14 X455#	2735	W14 X342#	2151	W14 X370#	2018	W14 X550#	2647	W14 X426#	1970	W14 X426#	1842	W14 X550#	3575	W14 X398#	2009	W14 X398#	1870	W14 X600#	4872	W14 X550#	3998	W14 X500#	2709	29
28TH FL.	12'-9"	W14 X500#	3446	W14 X257#	1573	W14 X283#	1606	W14 X398#	2574	W14 X233#	1383	W14 X257#	1514	W14 X370#	2501	W14 X145#	936	W14 X233#	1362	W14 X398#	3068	W14 X257#	1676	W14 X283#	2052	W14 X455#	2886	W14 X342#	2213	W14 X370#	2097	W14 X550#	2747	W14 X426#	2049	W14 X426#	1845	W14 X550#	3692	W14 X398#	2057	W14 X398#	1926	W14 X600#	4961	W14 X550#	4295	W14 X500#	2845	28
27TH FL.	12'-9"	W14 X500#	3564	W14 X283#	1635	W14 X311#	1678	W14 X426#	2667	W14 X257#	1439	W14 X283#	1577	W14 X398#	2699	W14 X159#	953	W14 X257#	1413	W14 X426#	3188	W14 X257#	1704	W14 X311#	2118	W14 X500#	3018	W14 X370#	2274	W14 X398#	2178	W14 X605#	2875	W14 X455#	2119	W14 X455#	1987	W14 X605#	3850	W14 X426#	2180	W14 X426#	2180	W14 X665#	4760	W14 X605#	4880	W14 X550#	3875	27
26TH FL.	12'-9"	W14 X500#	3692	W14 X283#	1699	W14 X311#	1748	W14 X426#	2758	W14 X257#	1495	W14 X283#	1640	W14 X398#	2678	W14 X159#	989	W14 X257#	1465	W14 X426#	3304	W14 X257#	1731	W14 X311#	2184	W14 X500#	3147	W14 X370#	2336	W14 X398#	2255	W14 X605#	3005	W14 X455#	2188	W14 X455#	2160	W14 X605#	3995	W14 X426#	2604	W14 X426#	2256	W14 X665#	4935	W14 X605#	5026	W14 X550#	4012	26
25TH FL.	12'-9"	W14 X550#	3816	W14 X311#	1782	W14 X342#	1819	W14 X455#	2850	W14 X283#	1551	W14 X311#	1702	W14 X426#	2747	W14 X159#	986	W14 X283#	1516	W14 X455#	3422	W14 X283#	1759	W14 X342#	2251	W14 X550#	3278	W14 X398#	2397	W14 X426#	2334	W14 X665#	3150	W14 X500#	2300	W14 X500#	2209	W14 X665#	4197	W14 X455#	2687	W14 X455#	2364	W14 X730#	5127	W14 X665#	5265	W14 X605#	5147	25
24TH FL.	12'-9"	W14 X550#	3940	W14 X311#	1823	W14 X342#	1890	W14 X455#	2941	W14 X283#	1608	W14 X311#	1765	W14 X426#	2895	W14 X159#	1003	W14 X283#	1588	W14 X455#	3540	W14 X283#	1787	W14 X342#	2317	W14 X550#	3409	W14 X398#	2485	W14 X426#	2413	W14 X665#	3275	W14 X500#	2395	W14 X500#	2316	W14 X665#	4390	W14 X455#	2787	W14 X455#	2440	W14 X730#	5395	W14 X665#	5505	W14 X605#	5381	24
23RD FL.	12'-9" 14'-9"		4109		1911		1987		3062		1683		1850		2976		1025		1658		3888		1824		2404		3588		2680		2585		3400		2185		2697		4960		2987		2974		8972		5886		5909	23
FLOOR		E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	
COL. NO.		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		

NOTES:
1. LEGEND E- INDICATES EXISTING COLUMNS.
   N- INDICATES NEW COLUMN OR COLUMN REINFORCING
2. ALL NEW COVER PLATES SHALL BE A572-GRADE 50
3. FOR GENERAL NOTES & TYPICAL DETAILS SEE DRAWINGS S-32 & S-33
4. ALL COLUMN LOADS ARE SERVICE LOADS IN KIPS.



TYPICAL SIDE PLATE REINFORCING DETAIL

NOTE:
1. - REMOVE EXIST. CONNECTIONS AT 38, 41 & 43RD FL.'S AS REQ'D.
2. - EXTEND COLUMN REINF. AS CLOSE AS POSSIBLE TO THE UNDERSIDE OF EXIST. BEAM AND/OR TOP OF EXIST. SLAB.
3. AT SPLICE LOCATIONS CUT REINFORCING PLATE AS REQUIRED & EXTEND MINIMUM 18" INTO COLUMN BELOW WELD CONT. AS SHOWN ABOVE.

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
3	5/22/89	REVISED AS CIRCLED
2	3/1/89	REVISED AS CIRCLED
1	1/9/89	REVISED AS CIRCLED
	1/3/89	ISSUED FOR CONST.
	11/21/88	SUBMITTED TO BPR AUTHORITY FOR APPROVAL OF BASE BLDG. MODIFICATIONS

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

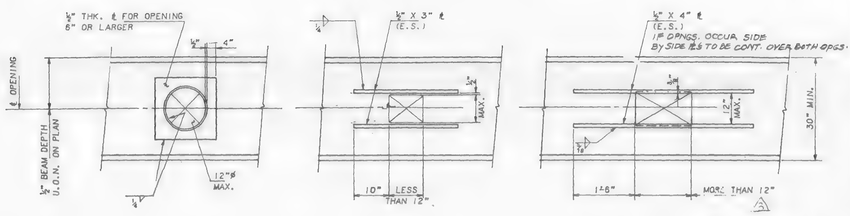
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER THE CANTOR/SEIGAL GROUP

COLUMN SCHEDULE #6

© Skidmore, Owings & Merrill, 1988

Project No.:
Sheet No.: S-31
Date:
Scale:

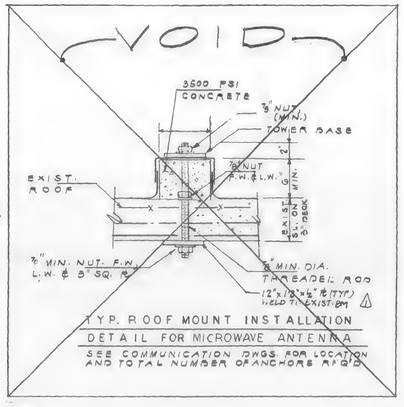


TYP BEAM OPENING DETAILS

REINF. PL'S TO BE SAME GRADE OF STEEL AS BEAM (TYP.)

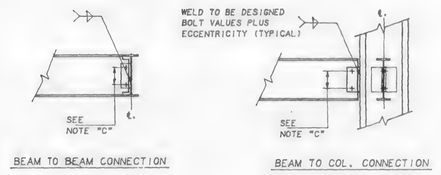
TYPICAL BEAM OPENING DETAILS

1. REINF. PL'S TO BE SAME GRADE OF STEEL AS BEAM (TYP.).
2. ALL FIELD CUT OPENINGS SHALL BE REINF. AS PER DETAILS SHOWN ABOVE. UNLESS OTHERWISE APPROVED BY THE ENGINEER OF RECORD.
3. DURING ALL FIELD CUTTING OF PENETRATIONS THRU BEAMS THE TEMPERATURE SHALL NOT EXCEED 600 DEGREES F AS MEASURED BY THE THERMOCOUPLES 6" FROM EDGE OF OPENING. ℄ FOUR CORNERS OF EACH OPENING.
4. NEW REINF. SHALL BE IN PLACE BEFORE CUTTING OPENING IN BEAM WEB.



TYP. ROOF MOUNT INSTALLATION DETAIL FOR MICROWAVE ANTENNA

SEE COMMUNICATION DWGS. FOR LOCATION AND TOTAL NUMBER OF ANCHORS REQ'D



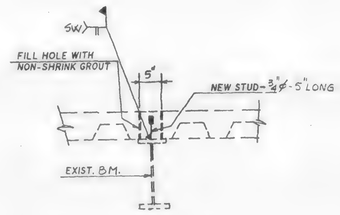
BEAM TO BEAM CONNECTION

BEAM TO COL. CONNECTION

MIN. NO. OF BOLTS "N" SEE NOTE "C"	
BEAM SIZE	"N"
W36	10
W33	9
W30	8
W27	7
W24	7
W21	6
W18	5
W16	4
W14	3
W12	3

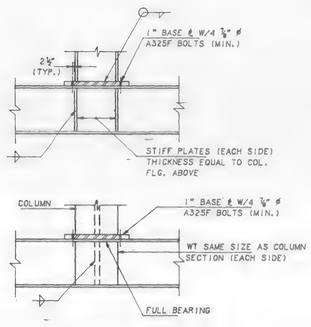
NOTES

1. SHEAR CONNECTION MUST BE DESIGNED FOR THE GREATEST OF THE FOLLOWING:
   A. FOR COMPOSITE BEAMS - REACTIONS FROM AISC BEAM TABLE X 2.0 AT BEAMS Fy=50 ksi X 1.5 AT BEAMS Fy=36 ksi
   B. FOR NON-COMPOSITE BEAMS - REACTIONS FROM AISC BEAM TABLE X 1.5 AT BEAMS Fy=50ksi X 1.3 AT BEAMS Fy=36ksi
   C. MINIMUM SHEAR CONNECTIONS - SEE TABLE
   D. REACTIONS INDICATED ON DRAWINGS.
2. BOLTS SHALL BE ¾" ø A325 FRICTION TYPE BOLTS MINIMUM (U.O.N.)
3. PROVIDE WEB REINFORCING WHERE REQUIRED DUE TO WEB CUT FOR CONNECTIONS.

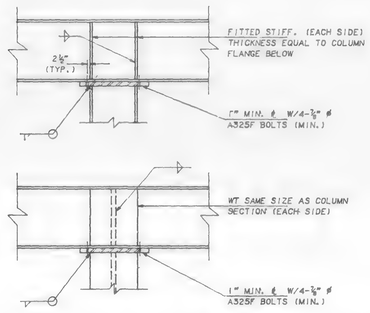


TYPICAL REINFORCING DETAIL OF EXIST. GIRDER OR BEAM

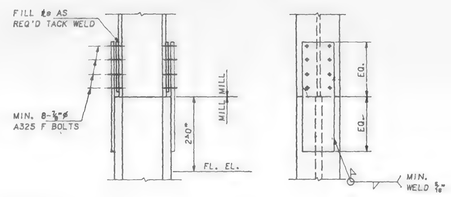
TYPICAL SHEAR CONNECTION DETAILS



TYPICAL DETAIL FOR COLUMN OR POST PICK-UP



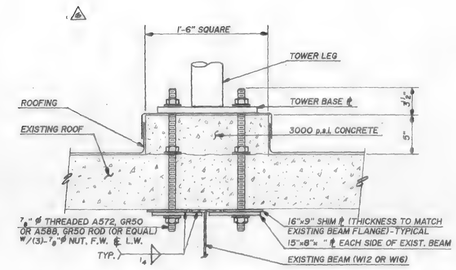
TYPICAL DETAIL FOR BEAM OVER COLUMN



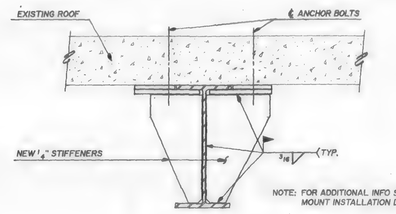
TYPICAL COLUMN SPLICE DETAIL

(CONTINUED):

19. WELD MINIMUM 2-¾" FITTED STIFFENERS TO EXISTING BEAM SUPPORTING NEW STAIRWAYS WHERE HANGERS ARE ECCENTRIC WITH RESPECT TO BEAM CENTER LINE.
20. CHORE EXISTING BEAM WHERE FITTED STIFFENERS ARE WELDED TO EXISTING BEAMS.



TYPICAL ROOF MOUNT INSTALLATION DETAIL FOR MICROWAVE ANTENNA



TYPICAL STIFFENED DETAIL AT MICROWAVE ANTENNA STEEL SUPPORT

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL BE ASTM A36 HAVING A MINIMUM YIELD POINT OF 36,000 PSI OR A572 GRADE 50 (SEE PLAN NOTES).
2. AISC SPECIFICATIONS FOR "DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL" - LATEST EDITION SHALL APPLY, EXCEPT AS MODIFIED BY THE NOTES, SCHEDULES AND DETAILS SHOWN ON THE STRUCTURAL DRAWINGS.
3. WELDING ELECTRODES SHALL CONFORM TO E70XX ELECTRODES.
4. ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
5. ALL WELDED CONNECTIONS SHALL CONFORM TO THE RECOMMENDATIONS OF AWS D1.1 AND THE NEW YORK CITY BUILDING CODE. PROVISIONS SHALL BE MADE FOR FIELD INSPECTION AND TESTING OF WELDS. ALL SHOP WELDS SHALL BE TESTED BY ANY OF THE APPROVED METHODS AND SHALL BE CERTIFIED.
6. ALL STEEL BOLTS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS, LATEST EDITION: HIGH STRENGTH BOLTS A-325 AND UNFINISHED BOLTS A-307.
7. ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM ON HOLES 13/16" DIAMETER UNLESS OTHERWISE NOTED.
8. ALL SHOP CONNECTIONS SHALL BE WELDED.
9. ALL COLUMN SPLICES, CONNECTIONS OF BEAMS TO COLUMNS, CONNECTIONS WITHIN 3 FEET OF COLUMNS AND CONNECTIONS OF BEAMS CARRYING MACHINE LOADS SHALL BE HIGH STRENGTH BOLTED AND WELDED IN THE FIELD. OTHER FIELD CONNECTIONS MAY USE UNFINISHED BOLTS EXCEPT WHERE SPECIFICALLY SHOWN OTHERWISE IN STRUCTURAL DRAWINGS. FIELD CONNECTIONS OF NEW CONSTRUCTION TO EXISTING CONSTRUCTION SHALL BE WELDED.
10. IN ADDITION TO MOMENT CONNECTIONS, PROVIDE MINIMUM SHEAR CONNECTIONS FOR ALL GRAVITY LOADS AS SHOWN ON TYPICAL SHEAR CONNECTION DETAILS.
11. ALL ENDS OF COLUMNS AT SPLICES AND AT OTHER BEARING CONNECTIONS SHALL BE MILLED TO COMPLETE TRUE BEARING.
12. MILLED STIFFENERS SHALL BE PROVIDED UNDER ALL COLUMN CONNECTIONS AND OVER ALL COLUMNS.
13. PROVISIONS SHALL BE MADE FOR CONNECTIONS OF OTHER TRADES INCLUDING CUTTING AND PUNCHING OF STRUCTURAL MEMBERS, WHERE REQUIRED BY THE DRAWINGS, OR FOR WHICH INFORMATION IS FURNISHED PRIOR TO FABRICATION.
14. THE USE OF CUTTING TORCH IN THE FIELD WILL BE PERMITTED ONLY AFTER SECURING ENGINEER'S APPROVAL.
15. CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING REQUIRED TO MAINTAIN PLUMBNESS AND STABILITY DURING ERECTION.
16. CONTRACTOR SHALL PROVIDE STIFFENERS PER SECTION 1.15.5 OF AISC SPECIFICATIONS REGARDING THE NEED FOR COLUMN STIFFENERS.
17. ALL WELDERS TO BE LICENSED BY THE CITY OF NEW YORK.
18. FOR PAINTING OF STRUCTURAL STEEL SEE SPECIFICATIONS.

STEEL DECK NOTES:

1. STEEL DECK SHALL CONFORM TO THE CURRENT SPECIFICATIONS FOR THE DESIGN OF LIGHT GAUGE COLD FORMED STEEL STRUCTURAL MEMBERS PER AISI.
2. DECK SHALL BE ANCHORED BY WELDING THROUGH THE BOTTOM OF THE RIB TO STRUCTURAL STEEL AT MAXIMUM SPACINGS OF 12" WITH MINIMUM BEARING OR END LAP OF 2".
3. OPENING IN DECK SHALL BE TREATED AS FOLLOWS:
   A. FOR HOLES 6" OR LESS, PERPENDICULAR TO SPAN. NO REINFORCING REQUIRED.
   B. FOR HOLES OVER 6" BUT NOT MORE THAN 10". PROVIDE ONE 14 GAUGE REINFORCING PLATE 24" X 24" AND WELD IN PLACE.
   C. ALL OTHER OPENINGS TO BE FRAMED AS SHOWN ON PLAN.
4. STEEL DECK SHALL BE AS NOTED ON FRAMING PLAN.

SUPERSTRUCTURE CONCRETE NOTES:

1. ALL CONCRETE OVER METAL DECK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS U.O.N.
2. ALL CONCRETE IS TO COMPLY WITH ALL REQUIREMENTS OF CURRENT ACI CODE AND ALL OTHER RELEVANT SECTIONS OF THE NEW YORK CITY BUILDING CODE.
   A. PRELIMINARY TESTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND THE PORT AUTHORITY FOR REVIEW. NO CONCRETE SHALL BE PLACED BEFORE SUCH REVIEW HAS BEEN COMPLETED.
   B. LABORATORY TEST REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND THE PORT AUTHORITY.
3. CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ANCHOR BOLTS, ETC., AS REQUIRED BY ALL TRADES BEFORE CONCRETE IS PLACE.
4. ALL STRUCTURAL DRAWINGS SHALL BE WORKED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND ANY DISCREPANCIES SHALL BE COORDINATED WITH THE ARCHITECT.
5. NO DEVIATION FROM THE STRUCTURAL PLANS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STRUCTURAL ENGINEER. ALL REINFORCING DETAILS TO BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL.
6. TRANSPORTING, PLACING, CURING AND DEPOSITING CONCRETE SHALL COMPLY WITH THE NEW YORK CITY BUILDING CODE AND THE ACI BUILDING CODE.

GENERAL NOTE:

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS. THIS VERIFICATION SHALL INCLUDE A SURVEY BY A LICENSED SURVEYOR AND FIELD INVESTIGATIONS TO DETERMINE THE LOCATIONS AND ELEVATIONS OF THE EXISTING STRUCTURAL STEEL. THE LOCATION AND ELEVATIONS OF EXISTING SLABS SHALL ALSO BE VERIFIED. THE CONTRACTOR SHALL SUBMIT A WRITTEN REPORT AND SURVEY TO THE ENGINEER FOR HIS REVIEW AND/OR INSTRUCTIONS OF ACTUAL FIELD CONDITIONS WHICH MAY VARY FROM INFORMATION INDICATED ON THE DRAWINGS. THESE REPORTS WILL ALSO INCLUDE EXISTING CONDITIONS NOT SHOWN ON THE DRAWINGS WHICH MAY REQUIRE A REVISION OF THE INFORMATION ON THE DRAWINGS.

STATE OF NEW YORK IRWIN G. CANTOR P.E. LICENSED PROFESSIONAL ENGINEER

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
	6.9.95	AS BUILT - REF. REV. 6/11/93
	8/23/94	ISSUED FOR TENANT ALTERATI.
	7/22/94	RESPONSE TO P.A. COMMENTS
8	5/20/94	RESPONSE TO P.A. COMMTS
7	2/8/94	REVISED AS CIRCLED
6	11/8/93	REVISED AS CIRCLED
5	10/4/93	CHILLED WATER LINE RELOCATION
4	6/2/93	ISSUED FOR ADDENDUM NO. 1
3	5/3/93	ISSUED FOR TENANT ALTERATION
2	4/6/89	REVISED AS CIRCLED
1	3/1/89	REVISED, AS CIRCLED
	11/7/88	ISSUED FOR CONST.
	10/10/88	SUBMITTED TO P.A.
	11/21/88	SUBMITTED TO P.A. FOR APPROVAL OF UNDERFLOOR MODIFICATIONS
	12/31/88	SUBMITTED TO P.A. FOR APPROVAL OF SHOP DWG. MODIFICATIONS
	10/17/89	SUBMITTED TO PORT AUTHORITY FOR APPROVAL OF PANEL BLOCK MODIFICATIONS

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

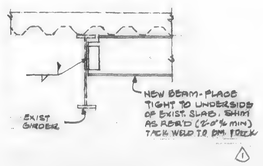
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER: THE CANTOR/SEINUK GROUP

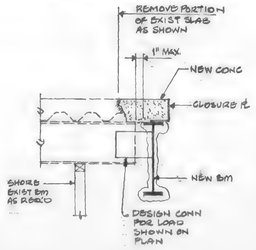
TYPICAL SUPERSTRUCTURE DETAILS & GENERAL NOTES

© Skidmore, Owings & Merrill, 1988

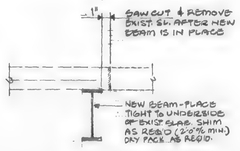
Project No:
Sheet No. S-32
Date:
Scale:



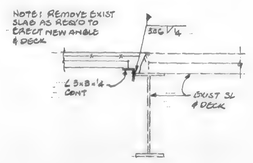
TYPICAL NEW BEAM TO EXIST. BEAM CONN. DETAIL



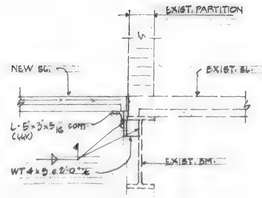
TYPICAL EXIST. BEAM TO NEW BEAM CONN. DETAIL



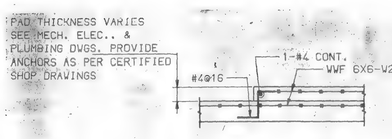
TYPICAL SLAB EDGE AT NEW OPNG. DETAIL



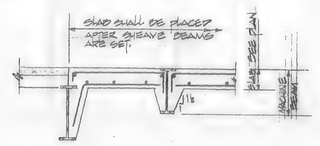
TYPICAL EXIST. OPENING CLOSURE DETAIL
(FOR DECK ORIENTATION SEE PLAN)



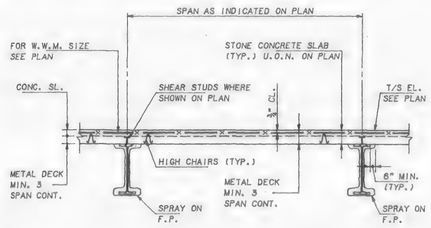
TYPICAL EXIST OPENING DETAIL WHERE EXIST PARTITIONS REMAIN
(FOR DECK ORIENTATION SEE PLAN)



TYP. DETAIL OF EQUIPMENT PAD ON SLAB

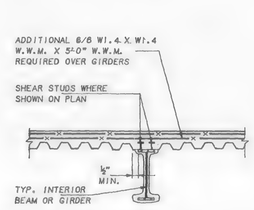


TYP. MACH. ROOM SLAB DET.

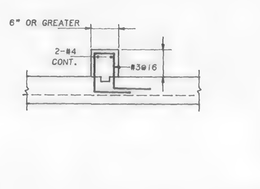


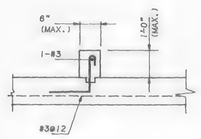
NOTE: ALL SINGLE SPAN DECK MUST BE SHORED.

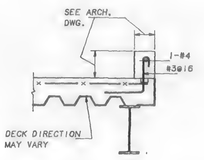
TYPICAL FLOOR DETAIL

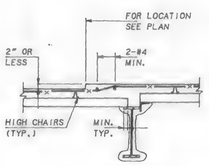


DETAILS PERPENDICULAR TO FLOOR SPAN

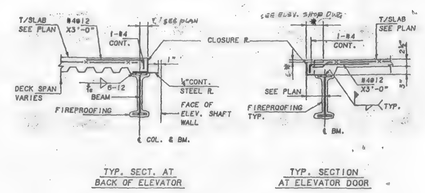








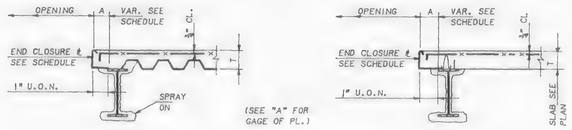
TYPICAL CONCRETE CURB DETAILS
NOTE: FOR LOCATION SEE ARCH. DWGS



TYP. SECT. AT BACK OF ELEVATOR

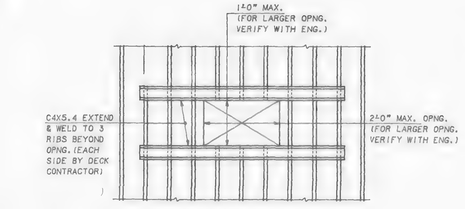
TYP. SECTION AT ELEVATOR DOOR

TYP. DROP IN SLAB DETAIL



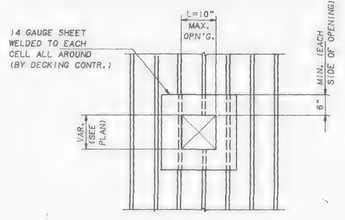
TYPICAL DETAILS OF BEAMS AT OPENING

T=5½"		T=8"		REMARKS
A	GAGE OF PLATE	A	GAGE OF PLATE	
UP TO 4"	14	UP TO 3½"	12	
4" TO 8"	12	4" TO 7"	10	
8" TO 10"	10			



NO REINF. REQUIRED FOR HOLES 6" ⌀ OR LESS
PROVIDE CONCRETE STOP AT ALL OPENINGS

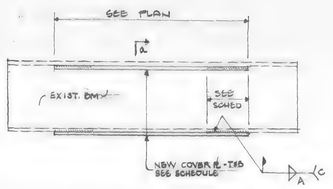
FOR OPENINGS TO 2'-0" PERPENDICULAR TO DECK



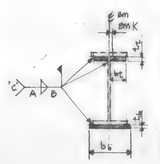
NO REINF. REQUIRED WHERE "L" IS 6" OR LESS IN DIRECTION PERPENDICULAR TO DECK

FOR OPENINGS TO 10" PERPENDICULAR TO DECK

TYPICAL FLOOR DETAILS AT OPENINGS



TYPICAL COVER PLATE REINF. DETAIL

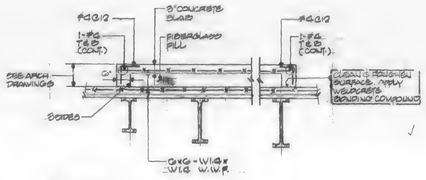


SECT 'a-a'

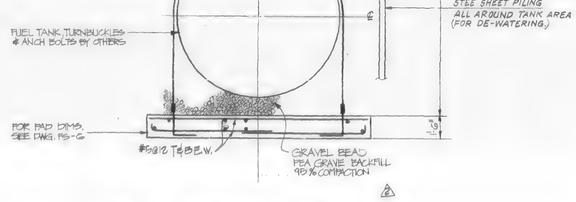
NOTES: ALL NEW PLATES TO BE A-36 GR'S, UNLESS OTHERWISE SHOWN ON PLAN.

NEW COVER ℞ SHEDULE

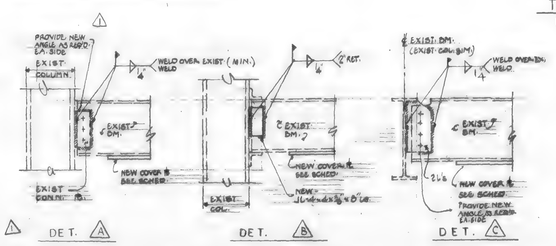
MARK	EXISTING BEAM bf x tf	NEW COVER PL bb x tt	FILLET WELD	UNREINFORCED WELD SECTION 'B'	CUT OFF TERMINATION WELD AT EACH END 'C'	REMARKS
CP1	6"x 1½	2'-2⅜"x 1	5/16	C@12	1'-0"	
CP2	6"x 1⅝	2'-2⅜"x 1	5/16	C@12	1'-0"	
CP3	6"x 1	2'-2⅜"x 1	5/16	C@12	1'-0"	
CP4	6"x ⅝	—	5/16	C@12	1'-0"	
CP5	8"x 1⅛	—	5/16	C@12	1'-0"	
CP6	8"x 1	—	5/16	C@12	1'-0"	
CP7	11"x 1⅛	2'-0⅜"x 1	5/16	C@12	1'-10"	
CP8	8"x 1⅛	—	5/16	C@12	1'-0"	
CP9	7"x 1⅛	—	5/16	C@12	1'-2"	
CP10	11"x 2	2'-0⅜"x 1½	5/16	C@12	1'-10"	
CP11	12"x 1½	2'-0"x 2	5/16	C@12	2'-0"	
CP12	12"x 1½	2'-0"x 2	5/16	C@12	2'-0"	
CP13	6"x ⅝	—	¼	C@12	1'-0"	
CP14	11"x ⅝	—	¼	C@12	1'-0"	
CP15	12"x ¾	—	¼	C@12	2'-0"	
CP16	16"x 1	—	5/16	C@12	3'-0"	
CP17	7"x ⅝	—	¼	C@12	1'-2"	
CP18	10"x 1⅛	2'-2⅜"x 1⅛	5/16	C@12	1'-8"	
CP19	10"x 1½	2'-2⅜"x 1⅛	5/16	C@12	1'-8"	
CP20	8"x 1	2'-2⅜"x 1	5/16	C@12	1'-8"	
CP21	14"x 1½	—	5/16	C@12	2'-4"	
CP22	14"x 1⅛	2'-0⅜"x 1⅛	5/16	C@12	2'-4"	
CP23	14"x 1⅛	—	5/16	C@12	2'-4"	My-SHEAR
CP24	10"x	—	5/16	C@12	1'-8"	
CP25	7"x 1	2'-2"x 1⅛	5/16	CONT.	1'-3"	
CP26	6"x ⅝	2'-1½"x ⅜	5/16	C@12	1'-0"	
CP27	16"x 1½	2'-6"x 2	5/16	C@12	2'-6"	



RAISED SLAB DETAIL



TYP. SECTION @ NEW FUEL TANK
(@ 1 ST. FLOOR LOADING DOCK - FOR LOCATION SEE MECH. AND ARCH. DWGS)

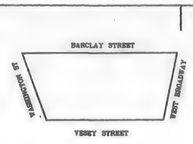


TYPICAL EXIST. CONNECTION REINF. DETAILS AT COVER PLATED BEAMS

1. CONNECTION REINFORCEMENT TO BE DESIGNED BASED ON LRFD HAND BOOK FOR ULTIMATE LOAD AS SHOWN ON PLAN OR MINIMUM AS SHOWN ON DETAIL.
2. ADD ADDITIONAL ANGLES OR PLATE AS REQ'D TO REINFORCE CONNECTION

NOTES

LEGEND



KEY PLAN

No.	Date	Revision
4	8-10-89	ISSUED FOR FIELD SKETCH
3	5/12/89	REVISED AS CIRCLED
2	4/6/89	REVISED AS CIRCLED
1	1/20/89	REVISED AS CIRCLED
	1/3/89	ISSUED FOR CONST.
	12/7/88	SUBMITTED TO P.A.
	11/21/88	SUBMITTED TO DEPT. OF BUILDINGS FOR APPROVAL
	10/21/88	SUBMITTED TO DEPT. OF BUILDINGS FOR APPROVAL
	10/7/88	SUBMITTED TO PORT AUTHORITY FOR APPROVAL OF BASIC BLDG. NOTIFICATION

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

SKIDMORE, OWINGS & MERRILL
ARCHITECTS ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

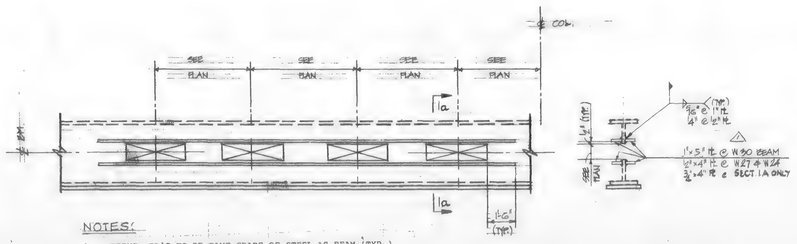
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER TIG SIDMAK GROUP

SUPERSTRUCTURE SECTIONS #1

© Skidmore, Owings & Merrill 1988

Project No:
Date:
Scale:
Sheet No. S-34

A805

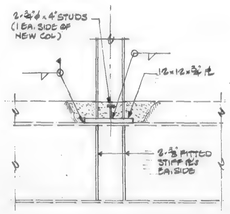


NOTES:

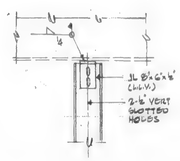
1. REINF. PL'S TO BE SAME GRADE OF STEEL AS BEAM (TYP.).
2. ALL FIELD CUT OPENINGS SHALL BE REINF. AS PER DETAILS SHOWN ABOVE, UNLESS OTHERWISE APPROVED BY THE ENGINEER OF RECORD.
3. DURING ALL FIELD CUTTING OF PENETRATIONS THRU BEAMS THE TEMPERATURE SHALL NOT EXCEED 600 DEGREES F AS MEASURED BY THE THERMOCOUPLES 6" FROM EDGE OF OPENING @ FOUR CORNERS OF EACH OPENING.
4. NEW REINF. SHALL BE IN PLACE BEFORE CUTTING OPENING IN BEAM WEB.

SECT. 1a

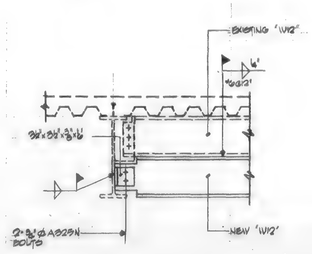
SECT. 1



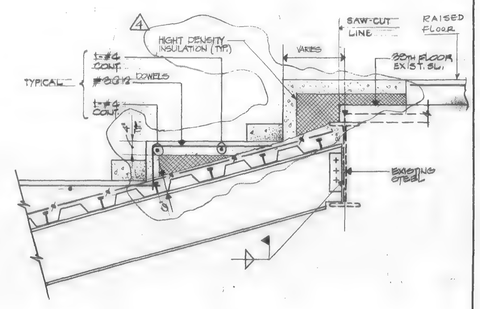
SECT. 2



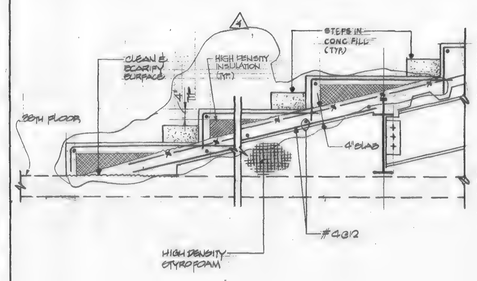
SECT. 3



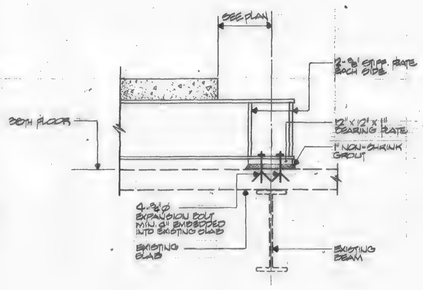
SECT. 4



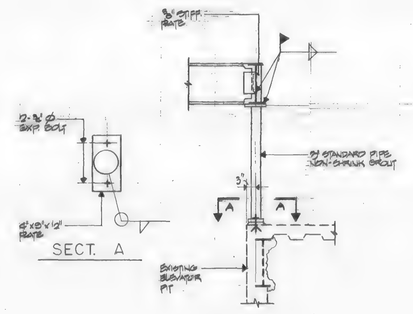
SECT. 5



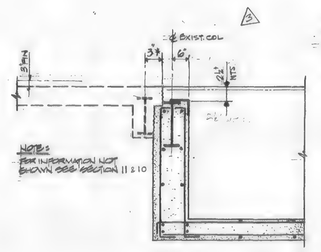
SECT. 6



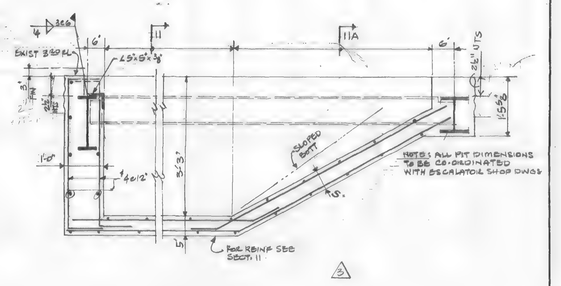
SECT. 7



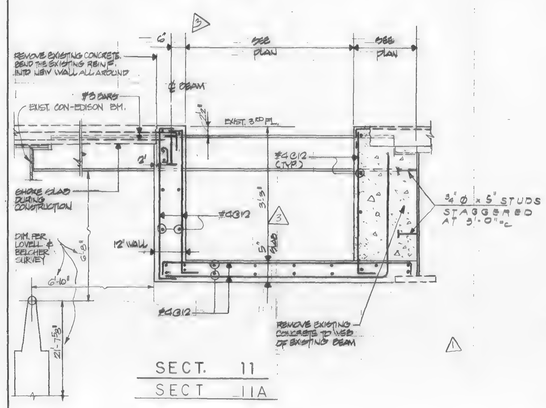
SECT. 8



SECT. 9

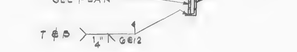


SECT. 10

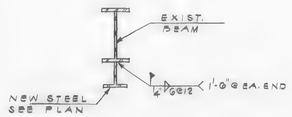


SECT. 11

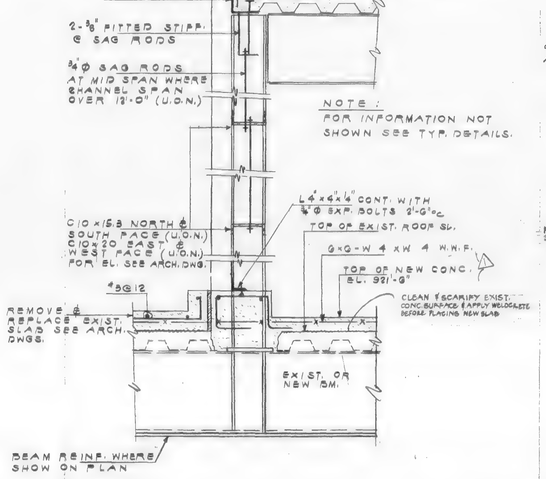
SECT. 11A



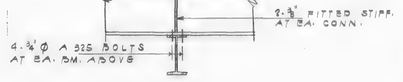
SECT. 12



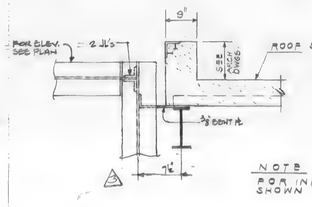
SECT. 13



SECT. 14

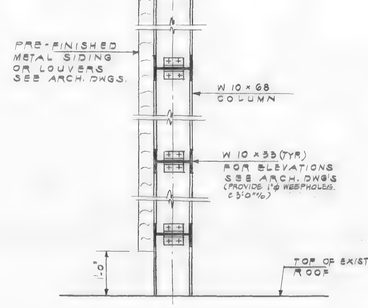


SECT. 15

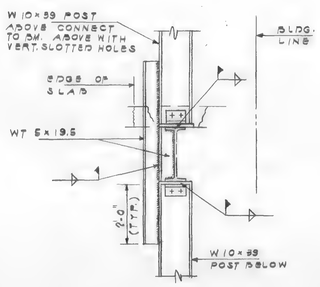


NOTE
FOR INFORMATION NOT SHOWN SEE SECT. 14

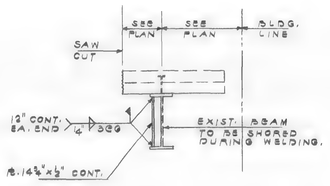
SECT 16



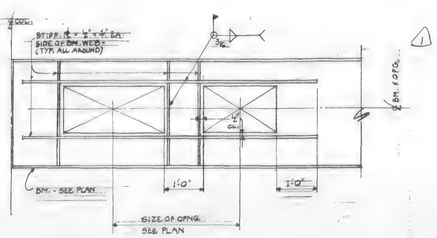
SECT. 17



SECT. 18



SECT. 19



SECT. 20
(SEE SECT. 1 FOR NOTES)

FSK-66

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
4	8-10-89	ISSUED FOR FIELD SKETCH
3	5-22-89	REVISED AS CIRCLED
2	4-6-89	REVISED AS CIRCLED
1	1-30-89	REVISED AS CIRCLED
	1-5-89	ISSUED FOR CONST.
	12-13-88	SUBMITTED TO P.A.
	11-8-88	PRELIM. CONSTRUCTION APPROVAL
	10-19-88	SUBMITTED FOR CONSTR. APPROVAL
	10-17-88	SUBMITTED TO FIRE AUTHORITY FOR APPROVAL OF BASIC BLDG. MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

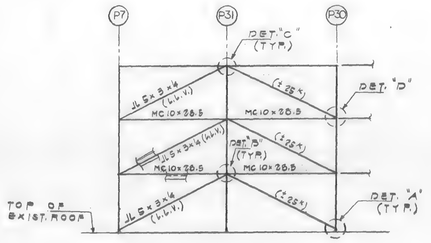
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
CONSULTING STRUCTURAL ENGINEERS

SUPERSTRUCTURE SECTIONS #1

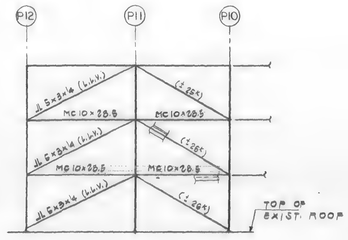
© Skidmore, Owings & Merrill 1988

Project No:
Date:
Scale:
Sheet No. S-34

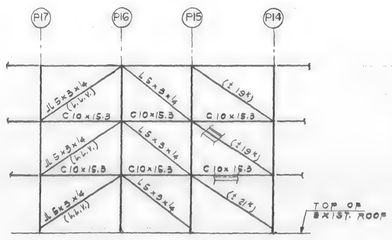
R3057



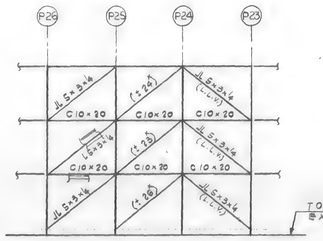
SECT. 21



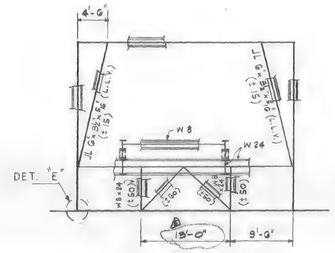
SECT. 22



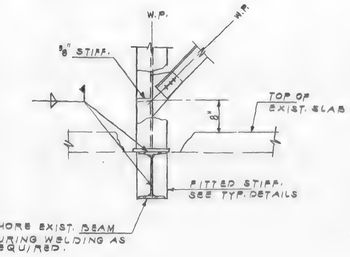
SECT. 23



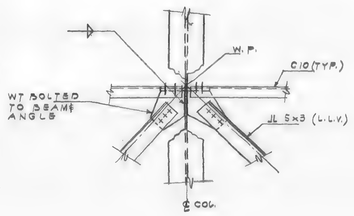
SECT. 24



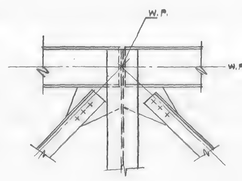
SECT. 25



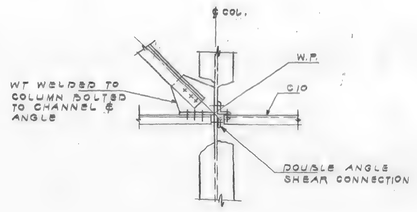
DET. "A"



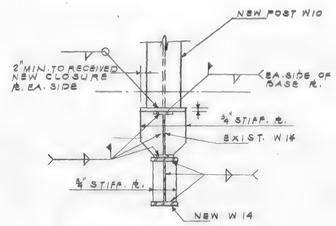
DET. "B"



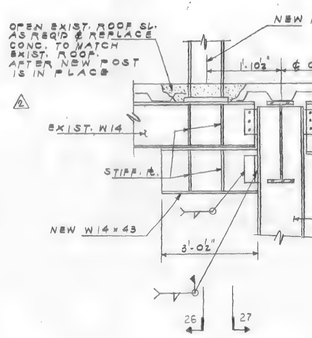
DET. "C"



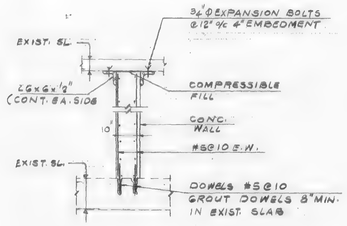
DET. "D"



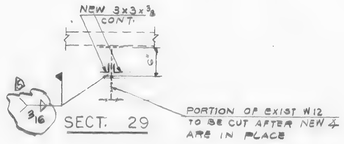
SECT. 26



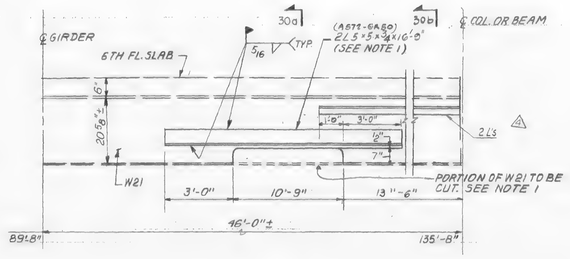
DET. "E"



SECT. 28

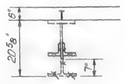


SECT. 29

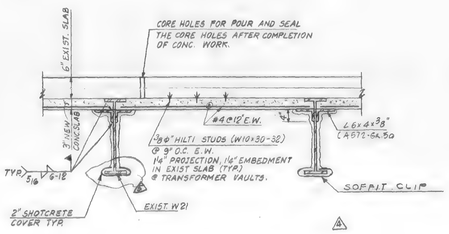


SECTION 30

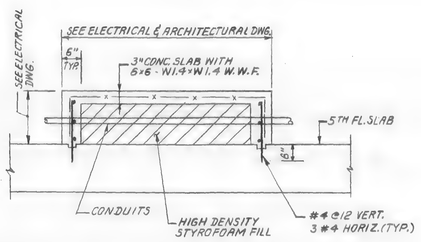
NOTE: 1. PROVIDE REINFORCEMENT BEFORE BEAM IS CUT.
2. CONTROL TEMP. BY TEMPSTICK TO 600°F AT 5" FROM EDGE OF CUT.
3. WELDING OF ANGLE BE DONE IN STAGGERED SEQUENCE (ie 50% WELDING ON ONE FACE)



SECTION 30a



SECTION 30b



SECTION 31 - 31

(DETAIL FOR RAISED PLATFORM @ TRANSFERMER VAULT)

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
5	8/19/89	REVISED AS CIRCLED
4	8-22-89	REVISED AS CIRCLED
3	8-4-89	REVISED AS CIRCLED
	8-4-89	ISSUED FOR CONSTRUCTION/BID
2	1/30/89	REVISED AS CIRCLED
	11/3/89	ISSUED FOR CONSTRUCTION
1	10/15/89	ISSUED FOR PERMIT/BID

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

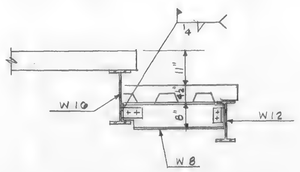
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

SUPERSTRUCTURE SECTIONS #2

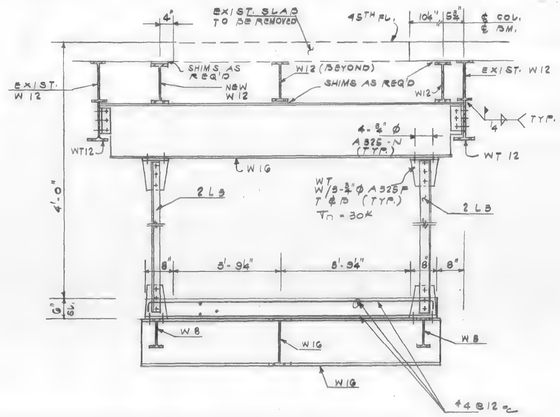
© Skidmore, Owings & Merrill 1989

Project No.:
Sheet No.: S-35
Date:
Scale:

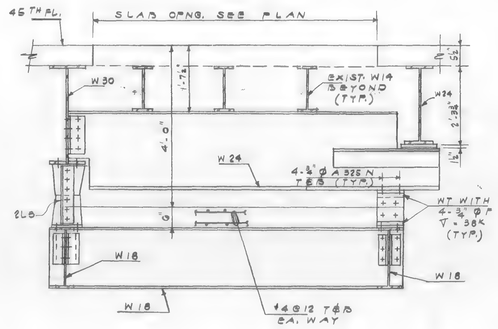
#88057



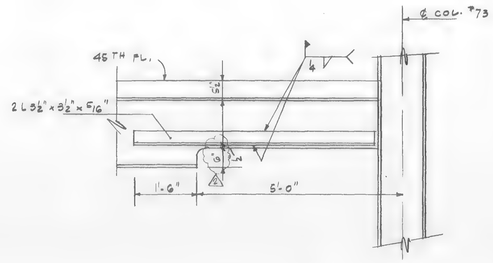
SECT. 32
(SECTION AT 41 & 43RD FL. BALCONY)



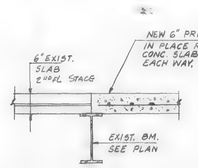
SECT. 33



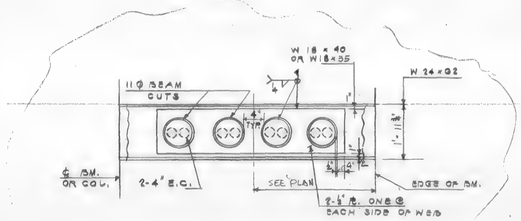
SECT. 34



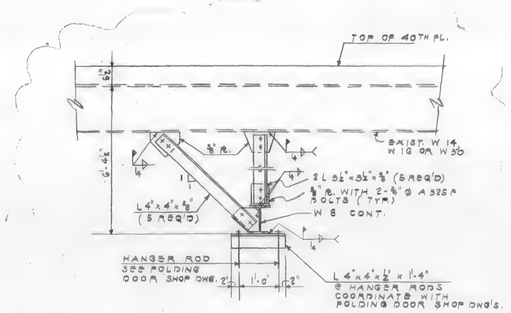
SECT. 35



SECT. 36



SECT. 37



SECT. 38

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
3	9/30/90	REVISED AS CIRCLED
2	5/15/89	REVISED AS CIRCLED
1	5-22-89	REVISED AS CIRCLED
	4-6-89	

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

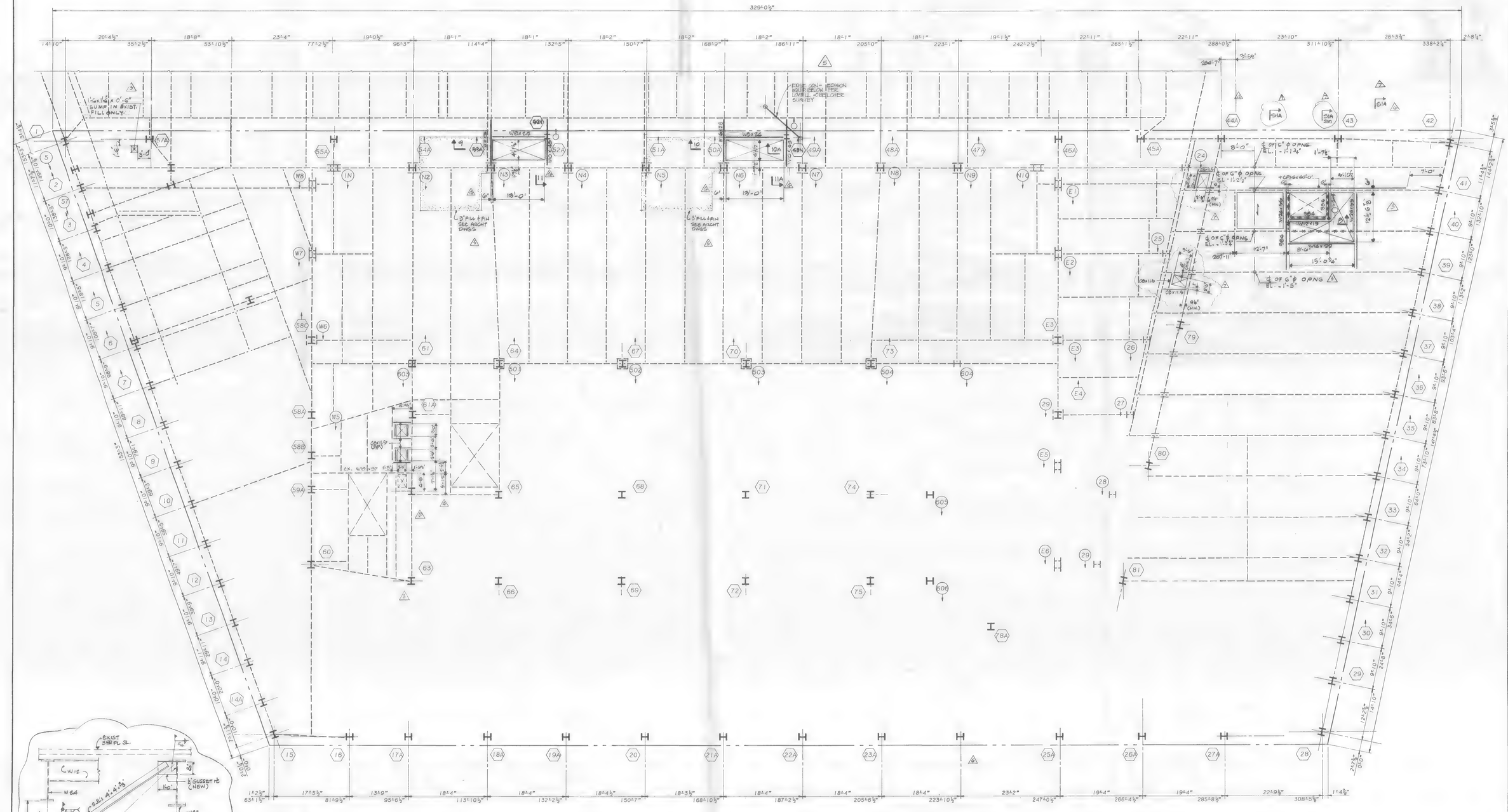
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

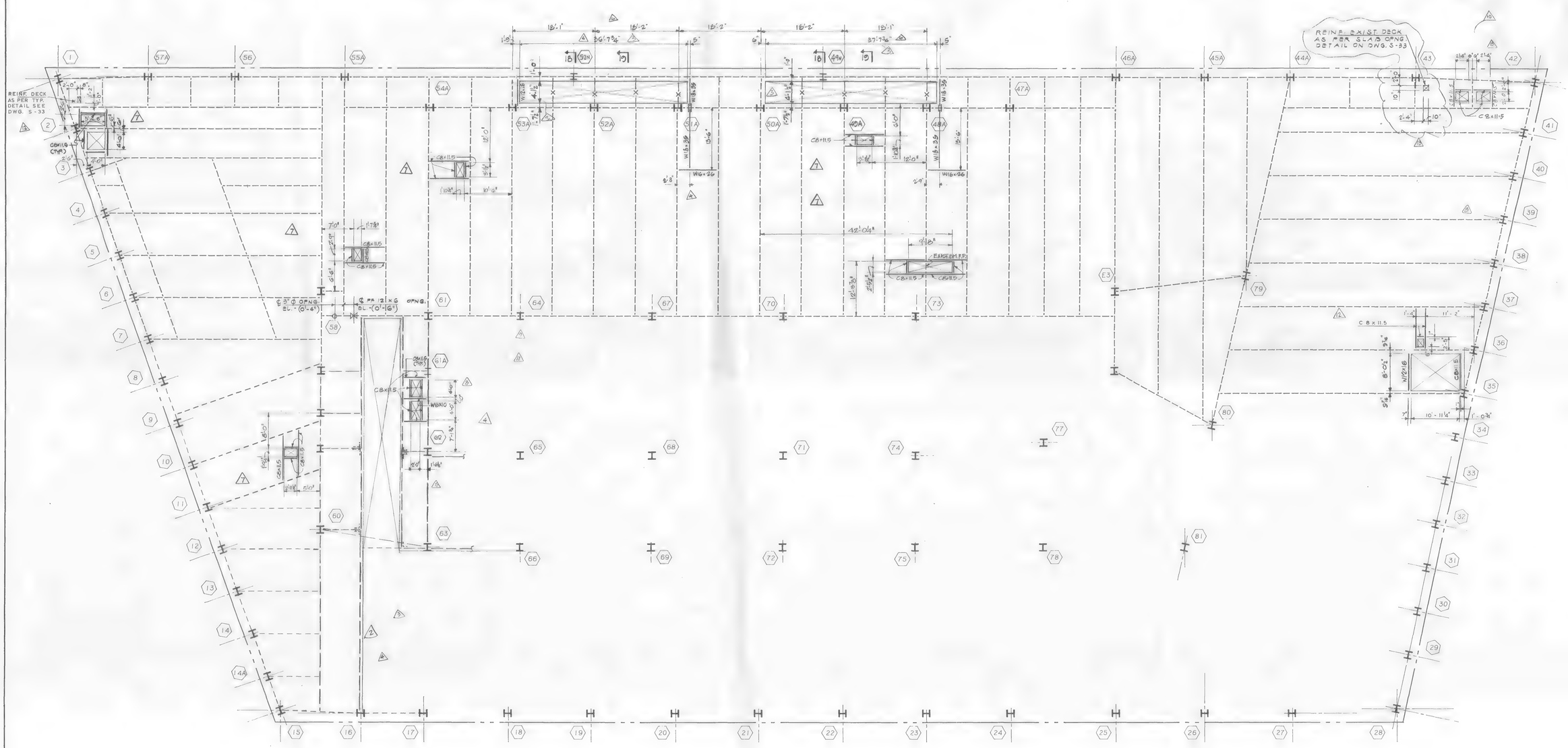
SUPERSTRUCTURE SECTIONS #3

© Skidmore, Owings & Merrill, 1988

Project No:
Date:
Scale:
Sheet No. S-36

88457


329'-0½"
1'-6"x1'-6"x0'-6" BUMP IN EXIST. FILL ONLY.
EXIST. 20½" EPSON EQUIP. BELOW THIS LEVEL. CBELCHER SURVEY
W8x24
W12x19
W12x30
13'-0"
L3"PL4"PL SEE ARCHT DWGS
8'-0"
7'-0"
15'-0½"
12'-7"
26'-11"
W24x55
W24x76
W24x84
W24x94
W24x104
W24x131
W24x146
W24x162
W24x176
W24x192
W24x207
W24x229
W24x250
W24x279
W24x306
W24x335
W24x370
W24x408
W24x450
W24x492
W24x535
W24x583
W24x629
W24x679
W24x748
W24x807
W24x897
W24x992
W24x1103
W24x1192
W24x1300
W24x1441
W24x1550
W24x1667
W24x1792
W24x1941
W24x2100
W24x2253
W24x2438
W24x2622
W24x2818
W24x3021
W24x3250
W24x3496
W24x3758
W24x4040
W24x4345
W24x4676
W24x5034
W24x5415
W24x5826
W24x6268
W24x6741
W24x7252
W24x7801
W24x8391
W24x9028
W24x9713
W24x10449
W24x11241
W24x12092
W24x13009
W24x13994
W24x15054
W24x16194
W24x17421
W24x18741
W24x20161
W24x21688
W24x23331
W24x25098
W24x26999
W24x29045
W24x31247
W24x33617
W24x36168
W24x38914
W24x41870
W24x45052
W24x48477
W24x52164
W24x56132
W24x60402
W24x65000
W24x69950
W24x75280
W24x81020
W24x87200
W24x93850
W24x101000
W24x108700
W24x117000
W24x125900
W24x135500
W24x145800
W24x156900
W24x168800
W24x181600
W24x195400
W24x210200
W24x226100
W24x243200
W24x261600
W24x281400
W24x302800
W24x325900
W24x350800
W24x377700
W24x406700
W24x437900
W24x471400
W24x507300
W24x545800
W24x587100
W24x631400
W24x679000
W24x730100
W24x784900
W24x843700
W24x907000
W24x975000
W24x1048000
W24x1126000
W24x1210000
W24x1300000
W24x1396000
W24x1498000
W24x1607000
W24x1723000
W24x1846000
W24x1976000
W24x2113000
W24x2258000
W24x2411000
W24x2572000
W24x2741000
W24x2918000
W24x3104000
W24x3298000
W24x3501000
W24x3713000
W24x3934000
W24x4164000
W24x4403000
W24x4651000
W24x4908000
W24x5174000
W24x5449000
W24x5733000
W24x6026000
W24x6328000
W24x6639000
W24x6959000
W24x7288000
W24x7626000
W24x7973000
W24x8329000
W24x8694000
W24x9068000
W24x9451000
W24x9843000
W24x10244000
W24x10654000
W24x11073000
W24x11501000
W24x11938000
W24x12384000
W24x12839000
W24x13303000
W24x13776000
W24x14258000
W24x14749000
W24x15249000
W24x15758000
W24x16276000
W24x16803000
W24x17339000
W24x17884000
W24x18438000
W24x19001000
W24x19573000
W24x20154000
W24x20744000
W24x21343000
W24x21951000
W24x22568000
W24x23194000
W24x23829000
W24x24473000
W24x25126000
W24x25788000
W24x26459000
W24x27139000
W24x27828000
W24x28526000
W24x29233000
W24x29949000
W24x30674000
W24x31408000
W24x32151000
W24x32903000
W24x33664000
W24x34434000
W24x35213000
W24x36001000
W24x36798000
W24x37604000
W24x38419000
W24x39243000
W24x40076000
W24x40918000
W24x41769000
W24x42629000
W24x43498000
W24x44376000
W24x45263000
W24x46159000
W24x47064000
W24x47978000
W24x48901000
W24x49833000
W24x50774000
W24x51724000
W24x52683000
W24x53651000
W24x54628000
W24x55614000
W24x56609000
W24x57613000
W24x58626000
W24x59648000
W24x60679000
W24x61719000
W24x62768000
W24x63826000
W24x64893000
W24x65969000
W24x67054000
W24x68148000
W24x69251000
W24x70363000
W24x71484000
W24x72614000
W24x73753000
W24x74901000
W24x76058000
W24x77224000
W24x78399000
W24x79583000
W24x80776000
W24x81978000
W24x83189000
W24x84409000
W24x85638000
W24x86876000
W24x88123000
W24x89379000
W24x90644000
W24x91918000
W24x93201000
W24x94493000
W24x95794000
W24x97104000
W24x98423000
W24x99751000
W24x101088000
W24x102434000
W24x103789000
W24x105153000
W24x106526000
W24x107908000
W24x109299000
W24x110699000
W24x112108000
W24x113526000
W24x114953000
W24x116389000
W24x117834000
W24x119288000
W24x120751000
W24x122223000
W24x123704000
W24x125194000
W24x126693000
W24x128201000
W24x129718000
W24x131244000
W24x132779000
W24x134323000
W24x135876000
W24x137438000
W24x139009000
W24x140589000
W24x142178000
W24x143776000
W24x145383000
W24x146999000
W24x148624000
W24x150258000
W24x151901000
W24x153553000
W24x155214000
W24x156884000
W24x158563000
W24x160251000
W24x161948000
W24x163654000
W24x165369000
W24x167093000
W24x168826000
W24x170568000
W24x172319000
W24x174079000
W24x175848000
W24x177626000
W24x179413000
W24x181209000
W24x183014000
W24x184828000
W24x186651000
W24x188483000
W24x190324000
W24x192174000
W24x194033000
W24x195901000
W24x197778000
W24x199664000
W24x201559000
W24x203463000
W24x205376000
W24x207298000
W24x209229000
W24x211169000
W24x213118000
W24x215076000
W24x217043000
W24x219019000
W24x221004000
W24x222998000
W24x225001000
W24x227013000
W24x229034000
W24x231064000
W24x233103000
W24x235151000
W24x237208000
W24x239274000
W24x241349000
W24x243433000
W24x245526000
W24x247628000
W24x249739000
W24x251859000
W24x253988000
W24x256126000
W24x258273000
W24x260429000
W24x262594000
W24x264768000
W24x266951000
W24x269143000
W24x271344000
W24x273554000
W24x275773000
W24x278001000
W24x280238000
W24x282484000
W24x284739000
W24x287003000
W24x289276000
W24x291558000
W24x293849000
W24x296149000
W24x298458000
W24x300776000
W24x303103000
W24x305439000
W24x307784000
W24x310138000
W24x312501000
W24x314873000
W24x317254000
W24x319644000
W24x322043000
W24x324451000
W24x326868000
W24x329294000
W24x331729000
W24x334173000
W24x336626000
W24x339088000
W24x341559000
W24x344039000
W24x346528000
W24x349026000
W24x351533000
W24x354049000
W24x356574000
W24x359108000
W24x361651000
W24x364203000
W24x366764000
W24x369334000
W24x371913000
W24x374501000
W24x377098000
W24x379704000
W24x382319000
W24x384943000
W24x387576000
W24x390218000
W24x392869000
W24x395529000
W24x398198000
W24x400876000
W24x403563000
W24x406259000
W24x408964000
W24x411678000
W24x414401000
W24x417133000
W24x419874000
W24x422624000
W24x425383000
W24x428151000
W24x430928000
W24x433714000
W24x436509000
W24x439313000
W24x442126000
W24x444948000
W24x447779000
W24x450619000
W24x453468000
W24x456326000
W24x459193000
W24x462069000
W24x464954000
W24x467848000
W24x470751000
W24x473663000
W24x476584000
W24x479514000
W24x482453000
W24x485401000
W24x488358000
W24x491324000
W24x494299000
W24x497283000
W24x500276000
W24x503278000
W24x506289000
W24x509309000
W24x512338000
W24x515376000
W24x518423000
W24x521479000
W24x524544000
W24x527618000
W24x530701000
W24x533793000
W24x536894000
W24x540004000
W24x543123000
W24x546251000
W24x549388000
W24x552534000
W24x555689000
W24x558853000
W24x562026000
W24x565208000
W24x568399000
W24x571599000
W24x574808000
W24x578026000
W24x581253000
W24x584489000
W24x587734000
W24x590988000
W24x594251000
W24x597523000
W24x600804000
W24x604094000
W24x607393000
W24x610701000
W24x614018000
W24x617344000
W24x620679000
W24x624023000
W24x627376000
W24x630738000
W24x634109000
W24x637489000
W24x640878000
W24x644276000
W24x647683000
W24x651099000
W24x654524000
W24x657958000
W24x661401000
W24x664853000
W24x668314000
W24x671784000
W24x675263000
W24x678751000
W24x682248000
W24x685754000
W24x689269000
W24x692793000
W24x696326000
W24x699868000
W24x703419000
W24x706979000
W24x710548000
W24x714126000
W24x717713000
W24x721309000
W24x724914000
W24x728528000
W24x732151000
W24x735783000
W24x739424000
W24x743074000
W24x746733000
W24x750401000
W24x754078000
W24x757764000
W24x761459000
W24x765163000
W24x768876000
W24x772598000
W24x776329000
W24x780069000
W24x783818000
W24x787576000
W24x791343000
W24x795119000
W24x798904000
W24x802698000
W24x806501000
W24x810313000
W24x814134000
W24x817964000
W24x821803000
W24x825651000
W24x829508000
W24x833374000
W24x837249000
W24x841133000
W24x845026000
W24x848928000
W24x852839000
W24x856759000
W24x860688000
W24x864626000
W24x868573000
W24x872529000
W24x876494000
W24x880468000
W24x884451000
W24x888443000
W24x892444000
W24x896454000
W24x900473000
W24x904501000
W24x908538000
W24x912584000
W24x916639000
W24x920703000
W24x924776000
W24x928858000
W24x932949000
W24x937049000
W24x941158000
W24x945276000
W24x949403000
W24x953539000
W24x957684000
W24x961838000
W24x966001000
W24x970173000
W24x974354000
W24x978544000
W24x982743000
W24x986951000
W24x991168000
W24x995394000
W24x999629000
W24x1003873000
W24x1008126000
W24x1012388000
W24x1016659000
W24x1020939000
W24x1025228000
W24x1029526000
W24x1033833000
W24x1038149000
W24x1042474000
W24x1046808000
W24x1051151000
W24x1055503000
W24x1059864000
W24x1064234000
W24x1068613000
W24x1073001000
W24x1077398000
W24x1081804000
W24x1086219000
W24x1090643000
W24x1095076000
W24x1099518000
W24x1103969000
W24x1108429000
W24x1112898000
W24x1117376000
W24x1121863000
W24x1126359000
W24x1130864000
W24x1135378000
W24x1139901000
W24x1144433000
W24x1148974000
W24x1153524000
W24x1158083000
W24x1162651000
W24x1167228000
W24x1171814000
W24x1176409000
W24x1181013000
W24x1185626000
W24x1190248000
W24x1194879000
W24x1199519000
W24x1204168000
W24x1208826000
W24x1213493000
W24x1218169000
W24x1222854000
W24x1227548000
W24x1232251000
W24x1236963000
W24x1241684000
W24x1246414000
W24x1251153000
W24x1255901000
W24x1260658000
W24x1265424000
W24x1270199000
W24x1274983000
W24x1279776000
W24x1284578000
W24x1289389000
W24x1294209000
W24x1299038000
W24x1303876000
W24x1308723000
W24x1313579000
W24x1318444000
W24x1323318000
W24x1328201000
W24x1333093000
W24x1337994000
W24x1342904000
W24x1347823000
W24x1352751000
W24x1357688000
W24x1362634000
W24x1367589000
W24x1372553000
W24x1377526000
W24x1382508000
W24x1387499000
W24x1392499000
W24x1397508000
W24x1402526000
W24x1407553000
W24x1412589000
W24x1417634000
W24x1422688000
W24x1427751000
W24x1432823000
W24x1437904000
W24x1442994000
W24x1448093000
W24x1453201000
W24x1458318000
W24x1463444000
W24x1468579000
W24x1473723000
W24x1478876000
W24x1484038000
W24x1489209000
W24x1494389000
W24x1499578000
W24x1504776000
W24x1509983000
W24x1515199000
W24x1520424000
W24x1525658000
W24x1530901000
W24x1536153000
W24x1541414000
W24x1546684000
W24x1551963000
W24x1557251000
W24x1562548000
W24x1567854000
W24x1573169000
W24x1578493000
W24x1583826000
W24x1589168000
W24x1594519000
W24x1599879000
W24x1605248000
W24x1610626000
W24x1616013000
W24x1621409000
W24x1626814000
W24x1632228000
W24x1637651000
W24x1643083000
W24x1648524000
W24x1653974000
W24x1659433000
W24x1664901000
W24x1670378000
W24x1675864000
W24x1681359000
W24x1686863000
W24x1692376000
W24x1697898000
W24x1703429000
W24x1708969000
W24x1714518000
W24x1720076000
W24x1725643000
W24x1731219000
W24x1736804000
W24x1742398000
W24x1748001000
W24x1753613000
W24x1759234000
W24x1764864000
W24x1770503000
W24x1776151000
W24x1781808000
W24x1787474000
W24x1793149000
W24x1798833000
W24x1804526000
W24x1810228000
W24x1815939000
W24x1821659000
W24x1827388000
W24x1833126000
W24x1838873000
W24x1844629000
W24x1850394000
W24x1856168000
W24x1861951000
W24x1867743000
W24x1873544000
W24x1879354000
W24x1885173000
W24x1891001000
W24x1896838000
W24x1902684000
W24x1908539000
W24x1914403000
W24x1920276000
W24x1926158000
W24x1932049000
W24x1937949000
W24x1943858000
W24x1949776000
W24x1955703000
W24x1961639000
W24x1967584000
W24x1973538000
W24x1979501000
W24x1985473000
W24x1991454000
W24x1997444000
W24x2003443000
W24x2009451000
W24x2015468000
W24x2021494000
W24x2027529000
W24x2033573000
W24x2039626000
W24x2045688000
W24x2051759000
W24x2057839000
W24x2063928000
W24x2070026000
W24x2076133000
W24x2082249000
W24x2088374000
W24x2094508000
W24x2100651000
W24x2106803000
W24x2112964000
W24x2119134000
W24x2125313000
W24x2131501000
W24x2137698000
W24x2143904000
W24x2150119000
W24x2156343000
W24x2162576000
W24x2168818000
W24x2175069000
W24x2181329000
W24x2187598000
W24x2193876000
W24x2200163000
W24x2206459000
W24x2212764000
W24x2219078000
W24x2225401000
W24x2231733000
W24x2238074000
W24x2244424000
W24x2250783000
W24x2257151000
W24x2263528000
W24x2269914000
W24x2276309000
W24x2282713000
W24x2289126000
W24x2295548000
W24x2301979000
W24x2308419000
W24x2314868000
W24x2321326000
W24x2327793000
W24x2334269000
W24x2340754000
W24x2347248000
W24x2353751000
W24x2360263000
W24x2366784000
W24x2373314000
W24x2379853000
W24x2386401000
W24x2392958000
W24x2399524000
W24x2406099000
W24x2412683000
W24x2419276000
W24x2425878000
W24x2432489000
W24x2439109000
W24x2445738000
W24x2452376000
W24x2459023000
W24x2465679000
W24x2472344000
W24x2479018000
W24x2485701000
W24x2492393000
W24x2499094000
W24x2505804000
W24x2512523000
W24x2519251000
W24x2525988000
W24x2532734000
W24x2539489000
W24x2546253000
W24x2553026000
W24x2559808000
W24x2566599000
W24x2573399000
W24x2580208000
W24x2587026000
W24x2593853000
W24x2600689000
W24x2607534000
W24x2614388000
W24x2621251000
W24x2628123000
W24x2635004000
W24x2641894000
W24x2648793000
W24x2655701000
W24x2662618000
W24x2669544000
W24x2676479000
W24x2683423000
W24x2690376000
W24x2697338000
W24x2704309000
W24x2711289000
W24x2718278000
W24x2725276000
W24x2732283000
W24x2739299000
W24x2746324000
W24x2753358000
W24x2760401000
W24x2767453000
W24x2774514000
W24x2781584000
W24x2788663000
W24x2795751000
W24x2802848000
W24x2809954000
W24x2817069000
W24x2824193000
W24x2831326000
W24x2838468000
W24x2845619000
W24x2852779000
W24x2859948000
W24x2867126000
W24x2874313000
W24x2881509000
W24x2888714000
W24x2895928000
W24x2903151000
W24x2910383000
W24x2917624000
W24x2924874000
W24x2932133000
W24x2939401000
W24x2946678000
W24x2953964000
W24x2961259000
W24x2968563000
W24x2975876000
W24x2983198000
W24x2990529000
W24x2997869000
W24x3005218000
W24x3012576000
W24x3019943000
W24x3027319000
W24x3034704000
W24x3042098000
W24x3049501000
W24x3056913000
W24x3064334000
W24x3071764000
W24x3079203000
W24x3086651000
W24x3094108000
W24x3101574000
W24x3109049000
W24x3116533000
W24x3124026000
W24x3131528000
W24x3139039000
W24x3146559000
W24x3154088000
W24x3161626000
W24x3169173000
W24x3176729000
W24x3184294000
W24x3191868000
W24x3199451000
W24x3207043000
W24x3214644000
W24x3222254000
W24x3229873000
W24x3237501000
W24x3245138000
W24x3252784000
W24x3260439000
W24x3268103000
W24x3275776000
W24x3283458000
W24x3291149000
W24x3298849000
W24x3306558000
W24x3314276000
W24x3322003000
W24x3329739000
W24x3337484000
W24x3345238000
W24x3353001000
W24x3360773000
W24x3368554000
W24x3376344000
W24x3384143000
W24x3391951000
W24x3399768000
W24x3407594000
W24x3415429000
W24x3423273000
W24x3431126000
W24x3438988000
W24x3446859000
W24x3454739000
W24x3462628000
W24x3470526000
W24x3478433000
W24x3486349000
W24x3494274000
W24x3502208000
W24x3510151000
W24x3518103000
W24x3526064000
W24x3534034000
W24x3542013000
W24x3550001000
W24x3557998000
W24x3566004000
W24x3574019000
W24x3582043000
W24x3590076000
W24x3598118000
W24x3606169000
W24x3614229000
W24x3622298000
W24x3630376000
W24x3638463000
W24x3646559000
W24x3654664000
W24x3662778000
W24x3670901000
W24x3679033000
W24x3687174000
W24x3695324000
W24x3703483000
W24x3711651000
W24x3719828000
W24x3728014000
W24x3736209000
W24x3744413000
W24x3752626000
W24x3760848000
W24x3769079000
W24x3777319000
W24x3785568000
W24x3793826000
W24x3802093000
W24x3810369000
W24x3818654000
W24x3826948000
W24x3835251000
W24x3843563000
W24x3851884000
W24x3860214000
W24x3868553000
W24x3876901000
W24x3885258000
W24x3893624000
W24x3901999000
W24x3910383000
W24x3918776000
W24x3927178000
W24x3935589000
W24x3944009000
W24x3952438000
W24x3960876000
W24x3969323000
W24x3977779000
W24x3986244000
W24x3994718000
W24x4003201000
W24x4011693000
W24x4020194000
W24x4028704000
W24x4037223000
W24x4045751000
W24x4054288000
W24x4062834000
W24x4071389000
W24x4079953000
W24x4088526000
W24x4097108000
W24x4105699000
W24x4114299000
W24x4122908000
W24x4131526000
W24x4140153000
W24x4148789000
W24x4157434000
W24x4166088000
W24x4174751000
W24x4183423000
W24x4192104000
W24x4200794000
W24x4209493000
W24x4218201000
W24x4226918000
W24x4235644000
W24x4244379000
W24x4253123000
W24x4261876000
W24x4270638000
W24x4279409000
W24x4288189000
W24x4296978000
W24x4305776000
W24x4314583000
W24x4323399000
W24x4332224000
W24x4341058000
W24x4349901000
W24x4358753000
W24x4367614000
W24x4376484000
W24x4385363000
W24x4394251000
W24x4403148000
W24x4412054000
W24x4420969000
W24x4429893000
W24x4438826000
W24x4447768000
W24x4456719000
W24x4465679000
W24x4474648000
W24x4483626000
W24x4492613000
W24x4501609000
W24x4510614000
W24x4519628000
W24x4528651000
W24x4537683000
W24x4546724000
W24x4555774000
W24x4564833000
W24x4573901000
W24x4582978000
W24x4592064000
W24x4601159000
W24x4610263000
W24x4619376000
W24x4628498000
W24x4637629000
W24x4646769000
W24x4655918000
W24x4665076000
W24x4674243000
W24x4683419000
W24x4692604000
W24x4701798000
W24x4711001000
W24x4720213000
W24x4729434000
W24x4738664000
W24x4747903000
W24x4757151000
W24x4766408000
W24x4775674000
W24x4784949000
W24x4794233000
W24x4803526000
W24x4812828000
W24x4822139000
W24x4831459000
W24x4840788000
W24x4850126000
W24x4859473000
W24x4868829000
W24x4878194000
W24x4887568000
W24x4896951000
W24x4906343000
W24x4915744000
W24x4925154000
W24x4934573000
W24x4944001000
W24x4953438000
W24x4962884000
W24x4972339000
W24x4981803000
W24x4991276000
W24x5000758000
W24x5010249000
W24x5019749000
W24x5029258000
W24x5038776000
W24x5048303000
W24x5057839000
W24x5067384000
W24x5076938000
W24x5086501000
W24x5096073000
W24x5105654000
W24x5115244000
W24x5124843000
W24x5134451000
W24x5144068000
W24x5153694000
W24x5163329000
W24x5172973000
W24x5182626000
W24x5192288000
W24x5201959000
W24x5211639000
W24x5221328000
W24x5231026000
W24x5240733000
W24x5250449000
W24x5260174000
W24x5269908000
W24x5279651000
W24x5289403000
W24x5299164000
W24x5308934000
W24x5318713000
W24x5328501000
W24x5338298000
W24x5348104000
W24x5357919000
W24x5367743000
W24x5377576000
W24x5387418000
W24x5397269000
W24x5407129000
W24x5416998000
W24x5426876000
W24x5436763000
W24x5446659000
W24x5456564000
W24x5466478000
W24x5476401000
W24x5486333000
W24x5496274000
W24x5506224000
W24x5516183000
W24x5526151000
W24x5536128000
W24x5546114000
W24x5556109000
W24x5566113000
W24x5576126000
W24x5586148000
W24x5596179000
W24x5606219000
W24x5616268000
W24x5626326000
W24x5636393000
W24x5646469000
W24x5656554000
W24x5666648000
W24x5676751000
W24x5686863000
W24x5696984000
W24x5707114000
W24x5717253000
W24x5727401000
W24x5737558000
W24x5747724000
W24x5757899000
W24x5768083000
W24x5778276000
W24x5788478000
W24x5798689000
W24x5808909000
W24x5819138000
W24x5829376000
W24x5839623000
W24x5849879000
W24x5860144000
W24x5870418000
W24x5880701000
W24x5890993000
W24x5901294000
W24x5911604000
W24x5921923000
W24x5932251000
W24x5942588000
W24x5952934000
W24x5963289000
W24x5973653000
W24x5984026000
W24x5994408000
W24x6004799000
W24x6015199000
W24x6025608000
W24x6036026000
W24x6046453000
W24x6056889000
W24x6067334000
W24x6077788000
W24x6088251000
W24x6098723000
W24x6109204000
W24x6119694000
W24x6130193000
W24x6140701000
W24x6151218000
W24x6161744000
W24x6172279000
W24x6182823000
W24x6193376000
W24x6203938000
W24x6214509000
W24x6225089000
W24x6235678000
W24x6246276000
W24x6256883000
W24x6267499000
W24x6278124000
W24x6288758000
W24x6299401000
W24x6310053000
W24x6320714000
W24x6331384000
W24x6342063000
W24x6352751000
W24x6363448000
W24x6374154000
W24x6384869000
W24x6395593000
W24x6406326000
W24x6417068000
W24x6427819000
W24x6438579000
W24x6449348000
W24x6460126000
W24x6470913000
W24x6481709000
W24x6492514000
W24x6503328000
W24x6514151000
W24x6524983000
W24x6535824000
W24x6546674000
W24x6557533000
W24x6568401000
W24x6579278000
W24x6590164000
W24x6601059000
W24x6611963000
W24x6622876000
W24x6633798000
W24x6644729000
W24x6655669000
W24x6666618000
W24x6677576000
W24x6688543000
W24x6699519000
W24x6710504000
W24x6721498000
W24x6732501000
W24x6743513000
W24x6754534000
W24x6765564000
W24x6776603000
W24x6787651000
W24x6798708000
W24x6809774000
W24x6820849000
W24x6831933000
W24x6843026000
W24x6854128000
W24x6865239000
W24x6876359000
W24x6887488000
W24x6898626000
W24x6909773000
W24x6920929000
W24x6932094000
W24x6943268000
W24x6954451000
W24x6965643000
W24x6976844000
W24x6988054000
W24x6999273000
W24x7010501000
W24x7021738000
W24x7032984000
W24x7044239000
W24x7055503000
W24x7066776000
W24x7078058000
W24x7089349000
W24x7100649000
W24x7111958000
W24x7123276000
W24x7134603000
W24x7145939000
W24x7157284000
W24x7168638000
W24x7180001000
W24x7191373000
W24x7202754000
W24x7214144000
W24x7225543000
W24x7236951000
W24x7248368000
W24x7259794000
W24x7271229000
W24x7282673000
W24x7294126000
W24x7305588000
W24x7317059000
W24x7328539000
W24x7340028000
W24x7351526000
W24x7363033000
W24x7374549000
W24x7386074000
W24x7397608000
W24x7409151000
W24x7420703000
W24x7432264000
W24x7443834000
W24x7455413000
W24x7467001000
W24x7478598000
W24x7490204000
W24x7501819000
W24x7513443000
W24x7525076000
W24x7536718000
W24x7548369000
W24x7560029000
W24x7571698000
W24x7583376000
W24x7595063000
W24x7606759000
W24x7618464000
W24x7630178000
W24x7641901000
W24x7653633000
W24x7665374000
W24x7677124000
W24x7688883000
W24x7700651000
W24x7712428000
W24x7724214000
W24x7736009000
W24x7747813000
W24x7759626000
W24x7771448000
W24x7783279000
W24x7795119000
W24x7806968000
W24x7818826000
W24x7830693000
W24x7842569000
W24x7854454000
W24x7866348000
W24x7878251000
W24x7890163000
W24x7902084000
W24x7914014000
W24x7925953000
W24x7937901000
W24x7949858000
W24x7961824000
W24x7973799000
W24x7985783000
W24x7997776000
W24x8009778000
W24x8021789000
W24x8033809000
W24x8045838000
W24x8057876000
W24x8069923000
W24x8081979000
W24x8094044000
W24x8106118000
W24x8118201000
W24x8130293000
W24x8142394000
W24x8154504000
W24x8166623000
W24x8178751000
W24x8190888000
W24x8203034000
W24x8215189000
W24x8227353000
W24x8239526000
W24x8251708000
W24x8263899000
W24x8276099000
W24x8288308000
W24x8300526000
W24x8312753000
W24x8324989000
W24x8337234000
W24x8349488000
W24x8361751000
W24x8374023000
W24x8386304000
W24x8398594000
W24x8410893000
W24x8423201000
W24x8435518000
W24x8447844000
W24x8460179000
W24x8472523000
W24x8484876000
W24x8497238000
W24x8509609000
W24x8521989000
W24x8534378000
W24x8546776000
W24x8559183000
W24x8571599000
W24x8584024000
W24x8596458000
W24x8608901000
W24x8621353000
W24x8633814000
W24x8646284000
W24x8658763000
W24x8671251000
W24x8683748000
W24x8696254000
W24x8708769000
W24x8721293000
W24x8733826000
W24x8746368000
W24x8758919000
W24x8771479000
W24x8784048000
W24x8796626000
W24x8809213000
W24x8821809000
W24x8834414000
W24x8847028000
W24x8859651000
W24x8872283000
W24x8884924000
W24x8897574000
W24x8910233000
W24x8922901000
W24x8935578000
W24x8948264000
W24x8960959000
W24x8973663000
W24x8986376000
W24x8999098000
W24x9011829000
W24x9024569000
W24x9037318000
W24x9050076000
W24x9062843000
W24x9075619000
W24x9088404000
W24x9101198000
W24x9114001000
W24x9126813000
W24x9139634000
W24x9152464000
W24x9165303000
W24x9178151000
W24x9191008000
W24x9203874000
W24x9216749000
W24x9229633000
W24x9242526000
W24x9255428000
W24x9268339000
W24x9281259000
W24x9294188000
W24x9307126000
W24x9320073000
W24x9333029000
W24x9345994000
W24x9358968000
W24x9371951000
W24x9384943000
W24x9397944000
W24x9410954000
W24x9423973000
W24x9437001000
W24x9450038000
W24x9463084000
W24x9476139000
W24x9489203000
W24x9502276000
W24x9515358000
W24x9528449000
W24x9541549000
W24x9554658000
W24x9567776000
W24x9580903000
W24x9594039000
W24x9607184000
W24x9620338000
W24x9633501000
W24x9646673000
W24x9659854000
W24x9673044000
W24x9686243000
W24x9699451000
W24x9712668000
W24x9725894000
W24x9739129000
W24x9752373000
W24x9765626000
W24x9778888000
W24x9792159000
W24x9805439000
W24x9818728000
W24x9832026000
W24x9845333000
W24x9858649000
W24x9871974000
W24x9885308000
W24x9898651000
W24x9912003000
W24x9925364000
W24x9938734000
W24x9952113000
W24x9965501000
W24x9978898000
W24x9992304000
W24x10005719000
W24x10019143000
W24x10032576000
W24x10046018000
W24x10059469000
W24x10072929000
W24x10086398000
W24x10099876000
W24x10113363000
W24x10126859000
W24x10140364000
W24x10153878000
W24x10167401000
W24x10180933000
W24x10194474000
W24x10208024000
W24x10221583000
W24x10235151000
W24x10248728000
W24x10262314000
W24x10275909000
W24x10289513000
W24x10303126000
W24x10316748000
W24x10330379000
W24x10344019000
W24x10357668000
W24x10371326000
W24x10384993000
W24x10398669000
W24x10412354000
W24x10426048000
W24x10439751000
W24x10453463000
W24x10467184000
W24x10480914000
W24x10494653000
W24x10508401000
W24x10522158000
W24x10535924000
W24x10549699000
W24x10563483000
W24x10577276000
W24x10591078000
W24x10604889000
W24x10618709000
W24x10632538000
W24x10646376000
W24x10660223000
W24x10674079000
W24x10687944000
W24x10701818000
W24x10715701000
W24x10729593000
W24x10743494000
W24x10757404000
W24x10771323000
W24x10785251000
W24x10799188000
W24x10813134000
W24x10827089000
W24x10841053000
W24x10855026000
W24x10869008000
W24x10882999000
W24x10897000000
W24x10911009000
W24x10925027000
W24x10939054000
W24x10953090000
W24x10967135000
W24x10981189000
W24x10995252000
W24x11009324000
W24x11023405000
W24x11037495000
W24x11051594000
W24x11065702000
W24x11079819000
W24x11093945000
W24x11108080000
W24x11122224000
W24x11136377000
W24x11150539000
W24x11164710000
W24x11178890000
W24x11193079000
W24x11207277000
W24x11221484000
W24x11235700000
W24x11249925000
W24x11264159000
W24x11278402000
W24x11292654000
W24x11306915000
W24x11321185000
W24x11335464000
W24x11349752000
W24x11364049000
W24x11378355000
W24x11392670000
W24x11406994000
W24x11421327000
W24x11435669000
W24x11450020000
W24x11464380000
W24x11478749000
W24x11493127000
W24x11507514000
W24x11521910000
W24x11536315000
W24x11550729000
W24x11565152000
W24x11579584000
W24x11594025000
W24x11608475000
W24x11622934000
W24x11637402000
W24x11651879000
W24x11666365000
W24x11680860000
W24x11695364000
W24x11709877000
W24x11724399000
W24x11738930000
W24x11753470000
W24x11768019000
W24x11782577000
W24x11797144000
W24x11811720000
W24x11826305000
W24x11840899000
W24x11855502000
W24x11870114000
W24x11884735000
W24x11899365000
W24x11914004000
W24x11928652000
W24x11943309000
W24x11957975000
W24x11972650000
W24x11987334000
W24x12002027000
W24x12016729000
W24x12031440000
W24x12046160000
W24x12060889000
W24x12075627000
W24x12090374000
W24x12105130000
W24x12119895000
W24x12134669000
W24x12149452000
W24x12164244000
W24x12179045000
W24x12193855000
W24x12208674000
W24x12223502000
W24x12238339000
W24x12253185000
W24x12268040000
W24x12282904000
W24x12297777000
W24x12312659000
W24x12327550000
W24x12342450000
W24x12357359000
W24x12372277000
W24x12387204000
W24x12402140000
W24x12417085000
W24x12432039000
W24x12447002000
W24x12461974000
W24x12476955000
W24x12491945000
W24x12506944000
W24x12521952000
W24x12536969000
W24x12551995000
W24x12567030000
W24x12582074000
W24x12597127000
W24x12612189000
W24x12627260000
W24x12642340000
W24x12657429000
W24x12672527000
W24x12687634000
W24x12702750000
W24x12717875000
W24x12733009000
W24x12748152000
W24x12763304000
W24x12778465000
W24x12793635000
W24x12808814000
W24x12824002000
W24x12839199000
W24x12854405000
W24x12869620000
W24x12884844000
W24x12900077000
W24x12915319000
W24x12930570000
W24x12945830000
W24x12961099000
W24x12976377000
W24x12991664000
W24x13006960000
W24x13022265000
W24x13037579000
W24x13052902000
W24x13068234000
W24x13083575000
W24x13098925000
W24x13114284000
W24x13129652000
W24x13145029000
W24x13160415000
W24x13175810000
W24x13191214000
W24x13206627000
W24x13222049000
W24x13237480000
W24x13252920000
W24x13268369000
W24x13283827000
W24x13299294000
W24x13314770000
W24x13330255000
W24x13345749000
W24x13361252000
W24x13376764000
W24x13392285000
W24x13407815000
W24x13423354000
W24x13438902000
W24x13454459000
W24x13470025000
W24x13485600000
W24x13501184000
W24x13516777000
W24x13532379000
W24x13547990000
W24x13563610000
W24x13579239000
W24x13594877000
W24x13610524000
W24x13626180000
W24x13641845000
W24x13657519000
W24x13673202000
W24x13688894000
W24x13704595000
W24x13720305000
W24x13736024000
W24x13751752000
W24x13767489000
W24x13783235000
W24x13798990000
W24x13814754000
W24x13830527000
W24x13846309000
W24x13862100000
W24x13877900000
W24x13893709000
W24x13909527000
W24x13925354000
W24x13941190000
W24x13957035000
W24x13972889000
W24x13988752000
W24x14004624000
W24x14020505000
W24x14036395000
W24x14052294000
W24x14068202000
W24x14084119000
W24x14100045000
W24x14115980000
W24x14131924000
W24x14147877000
W24x14163839000
W24x14179810000
W24x14195790000
W24x14211779000
W24x14227777000
W24x14243784000
W24x14259800000
W24x14275825000
W24x14291859000
W24x14307902000
W24x14323954000
W24x14340015000
W24x14356085000
W24x14372164000
W24x14388252000
W24x14404349000
W24x14420455000
W24x14436570000
W24x14452694000
W24x14468827000
W24x14484969000
W24x14501120000
W24x14517280000
W24x14533449000
W24x14549627000
W24x14565814000
W24x14582010000
W24x14598215000
W24x14614429000
W24x14630652000
W24x14646884000
W24x14663125000
W24x14679375000
W24x14695634000
W24x14711902000
W24x14728179000
W24x14744465000
W24x14760760000
W24x14777064000
W24x14793377000
W24x14809699000
W24x14826030000
W24x14842370000
W24x14858719000
W24x14875077000
W24x14891444000
W24x14907820000
W24x14924205000
W24x14940599000
W24x14957002000
W24x14973414000
W24x14989835000
W24x15006265000
W24x15022704000
W24x15039152000
W24x15055609000
W24x15072075000
W24x15088550000
W24x15105034000
W24x15121527000
W24x15138029000
W24x15154540000
W24x15171060000
W24x15187589000
W24x15204127000
W24x15220674000
W24x15237230000
W24x15253795000
W24x15270369000
W24x15286952000
W24x15303544000
W24x15320145000
W24x15336755000
W24x15353374000
W24x15370002000
W24x15386639000
W24x15403285000
W24x15419940000
W24x15436604000
W24x15453277000
W24x15469959000
W24x15486650000
W24x15503350000
W24x15520059000
W24x15536777000
W24x15553504000
W24x15570240000
W24x15586985000
W24x15603739000
W24x15620502000
W24x15637274000
W24x15654055000
W24x15670845000
W24x15687644000
W24x15704452000
W24x15721269000
W24x15738095000
W24x15754930000
W24x15771774000
W24x15788627000
W24x15805489000
W24x15822360000
W24x15839240000
W24x15856129000
W24x15873027000
W24x15889934000
W24x15906850000
W24x15923775000
W24x15940709000
W24x15957652000
W24x15974604000
W24x15991565000
W24x16008535000
W24x16025514000
W24x16042502000
W24x16059499000
W24x16076505000
W24x16093520000
W24x16110544000
W24x16127577000
W24x16144619000
W24x16161670000
W24x16178730000
W24x16195799000
W24x16212877000
W24x16229964000
W24x16247060000
W24x16264165000
W24x16281279000
W24x16298402000
W24x16315534000
W24x16332675000
W24x16349825000
W24x16366984000
W24x16384152000
W24x16401329000
W24x16418515000
W24x16435710000
W24x16452914000
W24x16470127000
W24x16487349000
W24x16504580000
W24x16521820000
W24x16539069000
W24x16556327000
W24x16573594000
W24x16590870000
W24x16608155000
W24x16625449000
W24x16642752000
W24x16660064000
W24x16677385000
W24x16694715000
W24x16712054000
W24x16729402000
W24x16746759000
W24x16764125000
W24x16781500000
W24x16798884000
W24x16816277000
W24x16833679000
W24x16851090000
W24x16868510000
W24x16885939000
W24x16903377000
W24x16920824000
W24x16938280000
W24x16955745000
W24x16973219000
W24x16990702



4TH FL. FRAMING PLAN

NOTES:

1. TOP OF NEW STEEL SHALL BE 5½" BELOW EXISTING CONC. FLOOR U.O.N. THUS (5---) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. —X— INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. – – – – INDICATES EXISTING STEEL FRAMING.
7. INDICATES EXISTING SLAB OPENING.
8. INDICATES NEW SLAB OPENING.
9. (..N) INDICATES NEW POST OR COLUMN.
10. —⊠— INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS ⊥----- FROM TOP OF STEEL BEAM
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.

4

STATE OF NEW YORK — IRWIN G. CANTOR P.C. — LICENSED PROFESSIONAL ENGINEER

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
13	8-17-90	ISSUED FOR BULLETIN #116
12	4-27-90	ISSUED AS BULLETIN NO 96
11	2/12/90	ISSUED FOR BULLETIN NO. 58
10	1/29/90	ISSUED FOR BULLETIN NO 45
9	10/1/89	REVISED AS CIRCLED
8	8/15/89	REVISED AS CIRCLED
7	6/10/89	ISSUED FOR FIELD SKETCH
6	3/24/89	REVISED AS CIRCLED
5	2/22/89	REVISED AS CIRCLED
4	2/6/89	REVISED AS CIRCLED
3	1/26/89	REVISED AS CIRCLED
2	1/3/89	ISSUED FOR CONST.
1	12/19/88	ISSUED FOR PRELIMINARY REVIEW

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

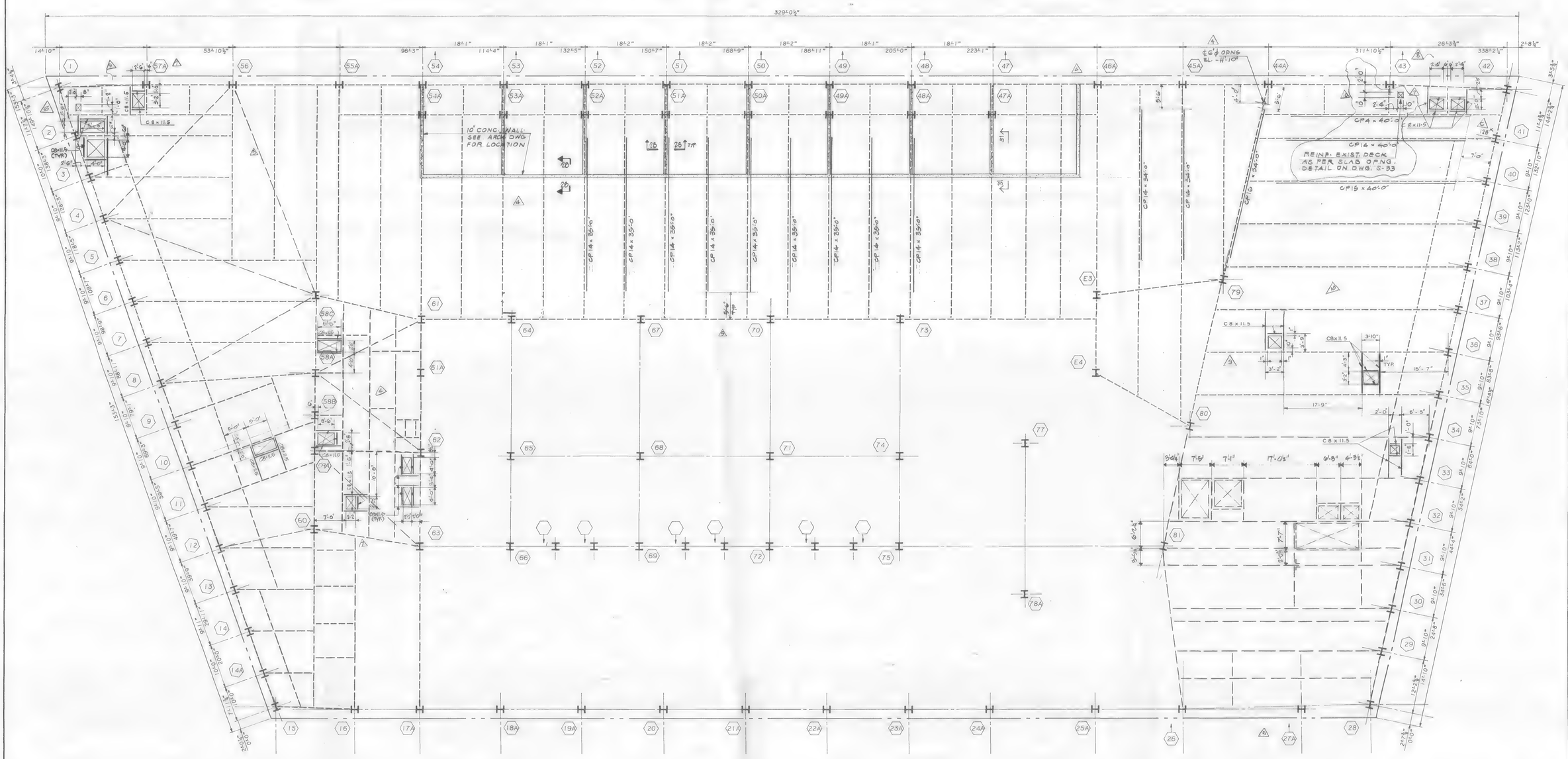
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER: THE CANTOR/SEINUK GROUP

4TH FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill 1988

Project No:
Date:
Scale:
Sheet No. S-2

88067



5TH FLOOR FRAMING PLAN

NOTES:

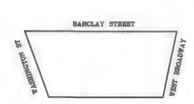
1. TOP OF NEW STEEL SHALL BE 1½" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. ⟵ INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. —×— INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. – – – – INDICATES EXISTING STEEL FRAMING.
7. ⊠ INDICATES EXISTING SLAB OPENING.
8. ⊠ INDICATES NEW SLAB OPENING.
9. (..N) INDICATES NEW POST OR COLUMN.
10. —⊠— INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N.
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.
12. △ INDICATES TYPE OF EXISTING CONNECTION REINF. DETAIL, SEE DETAIL ON DWG. S-33

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
10	8-17-90	ISSUED FOR BULLETIN #116
9	6-7-90	ISSUED FOR BULLETIN No 92
8	1/28/90	ISSUED FOR BULLETIN #85
7	8/8/89	REVISED AS CIRCLED
6	8/10/89	ISSUED FOR FIELD SKETCH
5	5/22/89	REVISED AS CIRCLED
4	4-6-89	REVISED AS CIRCLED
3	2/1/89	ISSUED TO CON'T DRAWING FOR APPROVAL
2	1/31/89	REVISED AS CIRCLED
1	1/20/89	REVISED AS CIRCLED
	1/3/89	ISSUED FOR CONST.
	12/27/88	REVISED AS CIRCLED
	10/18/88	SUBMITTED FOR APPROVAL

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

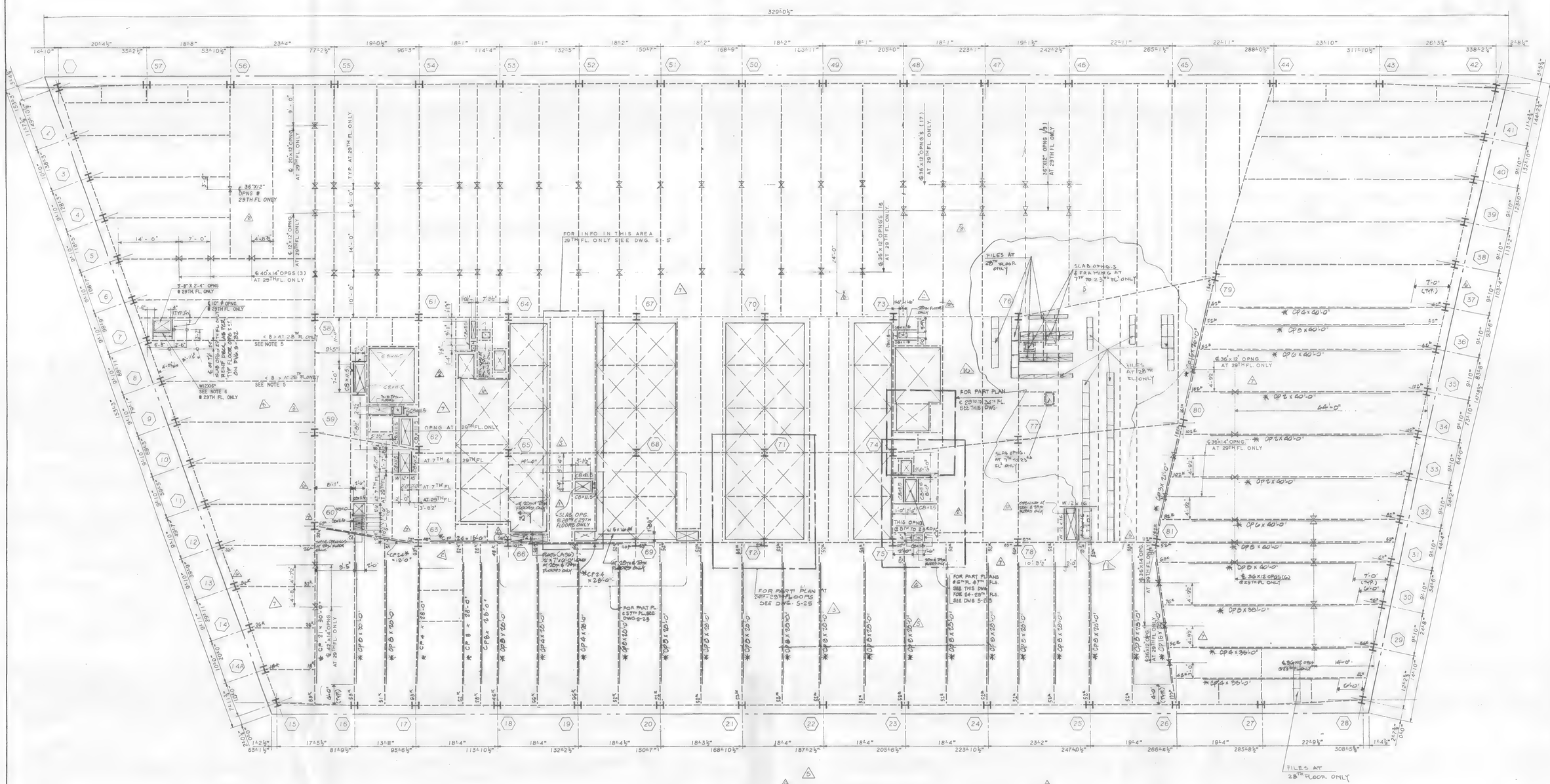
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER: THE CANTOR/SEINUK GROUP

5TH FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill 1988

Project No.:
Date:
Scale:
Sheet No. S-3

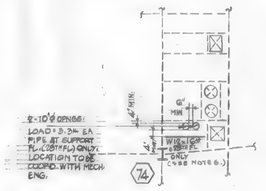


TYPICAL FLOOR FRAMING PLAN - 7TH TO 29TH FLOORS

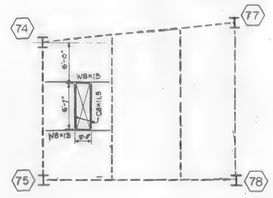
7TH TO 14TH FLOORS AS SHOWN - 15TH TO 29TH FLOORS SIM.

NOTES:

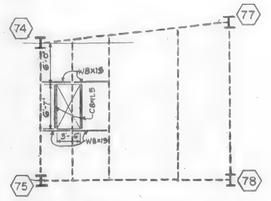
1. FOR NOTES NOT SHOWN SEE DWG. S-2
2. FOR PART PLANS AT 6TH FL. SEE DWG. S-25
3. ADDITIONAL EXIST. BEAM REINF. PLATES NOTED WITH AN ASTERISK * (OCCUR AT 28TH FL. ONLY.)
4. -H- INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS (----) INDICATING DISTANCE BELOW TOP OF STEEL BEAM.
5. WHERE NOTED PROVIDE 5" ϕ CORE IN SLAB, PLACE ONE STUD PER CORE LOCATION, SPACED WITHIN NEW MECH. ROOM.
6. WHERE NOTED PLACE BEAMS TIGHT TO UNDERSIDE OF DECK AT RIB CLOSEST TO OPENINGS SHIM AT 1/4 POINT AS REQUIRED.



PART PLAN - 29TH TO 34TH FL.



PART PLAN — 6TH FLOOR



PART PLAN — 7TH FLOOR

ATTACHMENT "A"

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
11	8/23/96	ISSUED FOR TENANT ALTERATI.
10	10/4/93	CHILLED WATER LINE RELOCAT.
9.1	9/8/75	ISSUED FOR ADDENDUM No.
8	5-21-93	ISSUED FOR TENNANT ALTERATION
7	7-3-90	ISSUED FOR BULLETIN #103
6	8/15/89	REVISED AS CIRCLED
5	1/8/89	REVISED AS CIRCLED
4	9/1/89	REVISED AS CIRCLED
3	1/30/89	REVISED AS CIRCLED
2	1/6/89	ISSUED FOR CONST.
1	12/21/88	REVISED AS CIRCLED
	12/10/88	REVISED AS CIRCLED FOR SKETCH SS-1
	10/17/88	SUBMITTED TO PORT AUTHORITY FOR APPROVAL OF BASE BLDG. MODIFICATIONS

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

HRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER THE CANTOR/SEINUK GROUP

7TH TO 29TH FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill 1988

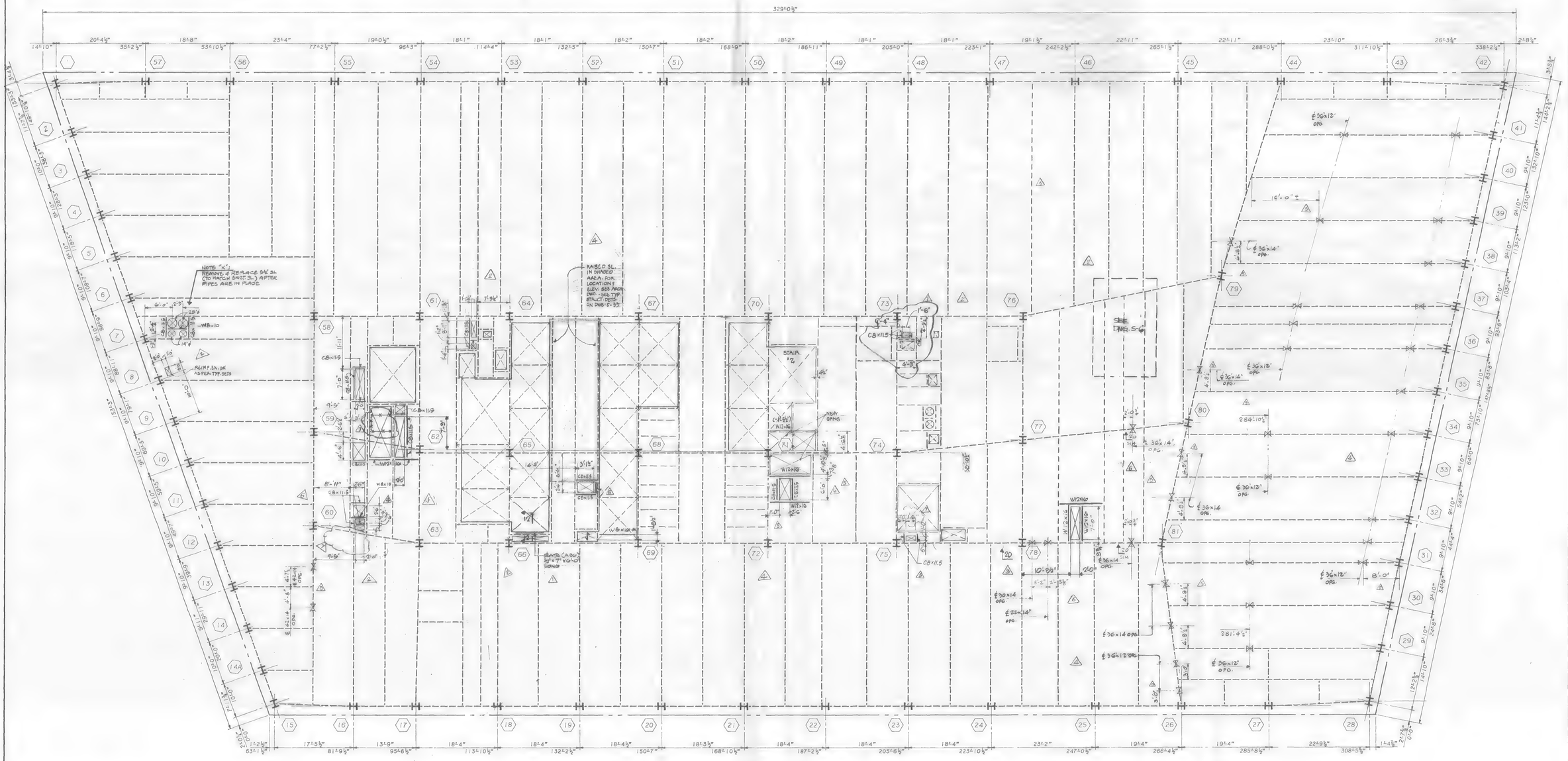
*Project No.

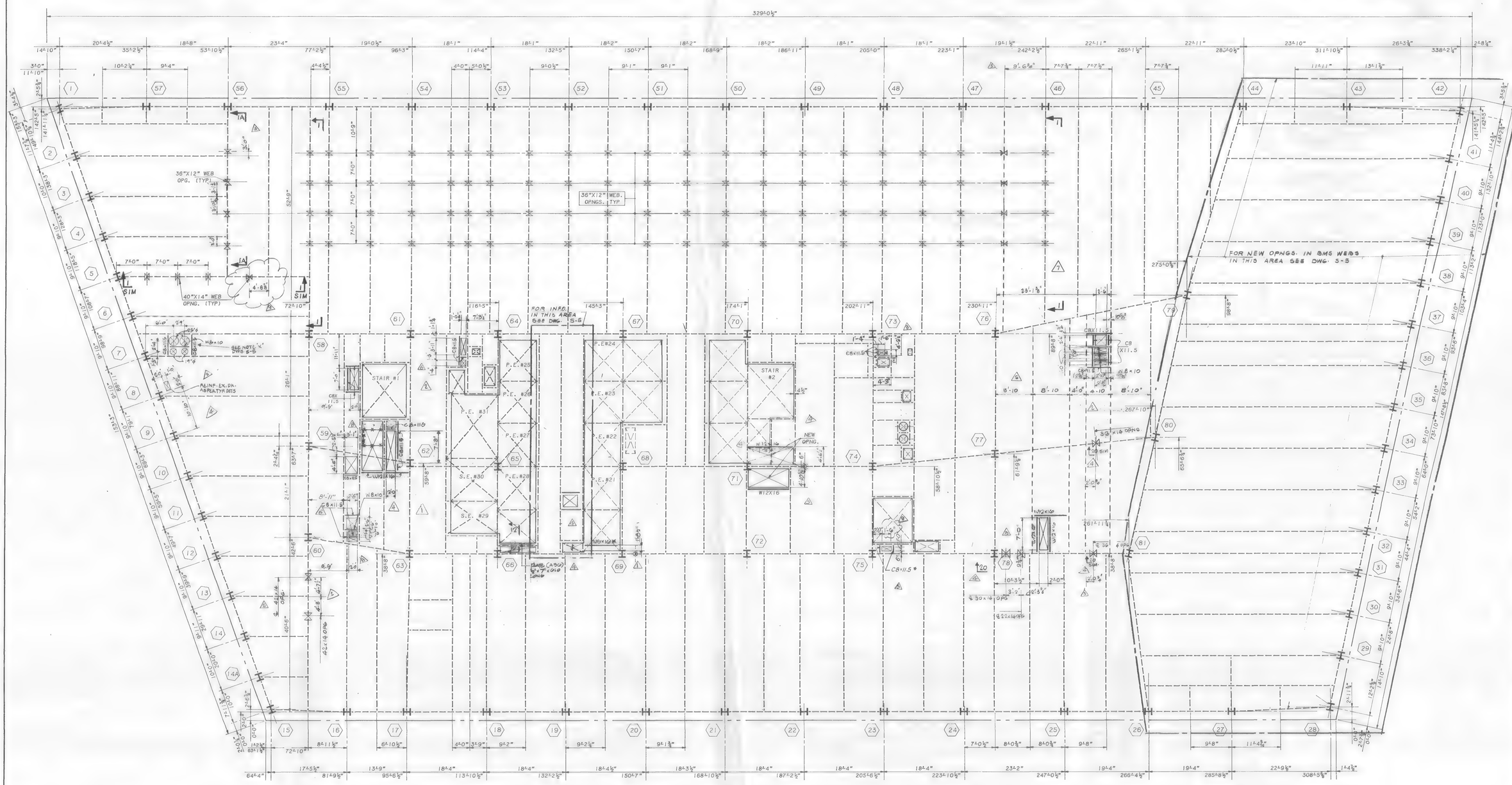
Date:

Scale:

Sheet No. S-4

92nCA


329'-0½"
NOTE "K": REMOVE & REPLACE 9½" SL (TO MATCH ENST. SL) AFTER PIPES ARE IN PLACE.
RAISED SL. IN SHADED AREA. FOR LOCATION & ELEV. SEE ARCH DWG - SEE TYP. STALLT. DETS ON DWG S-5.2
SEE DWG. S-6
STAIR
NEW OPNG
CB 11.5
WB 10
REINF. EN. DK AS PER TYP. DETS
W8X18
W12X16
W12X26
W8X10
W8X31
W8X24
W8X28
W8X35
W8X40
W8X48
W8X67
W8X58
W8X21
W8X67
W8X24
W8X31
W8X35
W8X40
W8X48
W8X58
W8X67
W8X21
W8X24
W8X28



31ST FLOOR FRAMING PLAN

NOTES:
1. TOP OF NEW STEEL SHALL BE 5¼" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±---) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:
1. ‹...› INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. ⟶ INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. —×— INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. - - - - INDICATES EXISTING STEEL FRAMING.
7. ⊠ INDICATES EXISTING SLAB OPENING.
8. ⊠ INDICATES NEW SLAB OPENING.
9. ·|·|· INDICATES NEW POST OR COLUMN.
10. ⋈ INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS - - - INDICATING DISTANCE BELOW T./STL. BM.
11. CP... INDICATES REINF. FOR EXIST. BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
9		REVISED AS C/RCLED
8	2/5/89	REVISED AS C/RCLED
7	6/22/88	REVISED AS CIRCLED
6	4/6/88	REVISED AS CIRCLED
5	3/7/88	REVISED AS CIRCLED
4	1/20/88	REVISED AS CIRCLED
3	1/5/88	ISSUED FOR CONSTRUCTION
2	12/22/88	REVISED AS CIRCLED
1	12/15/87	REVISED AS NOTED FOR PERMIT SUBMISSION
	10/7/87	SUBMITTED TO PORT AUTHORITY FOR APPROVAL OF ENGINEERING MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

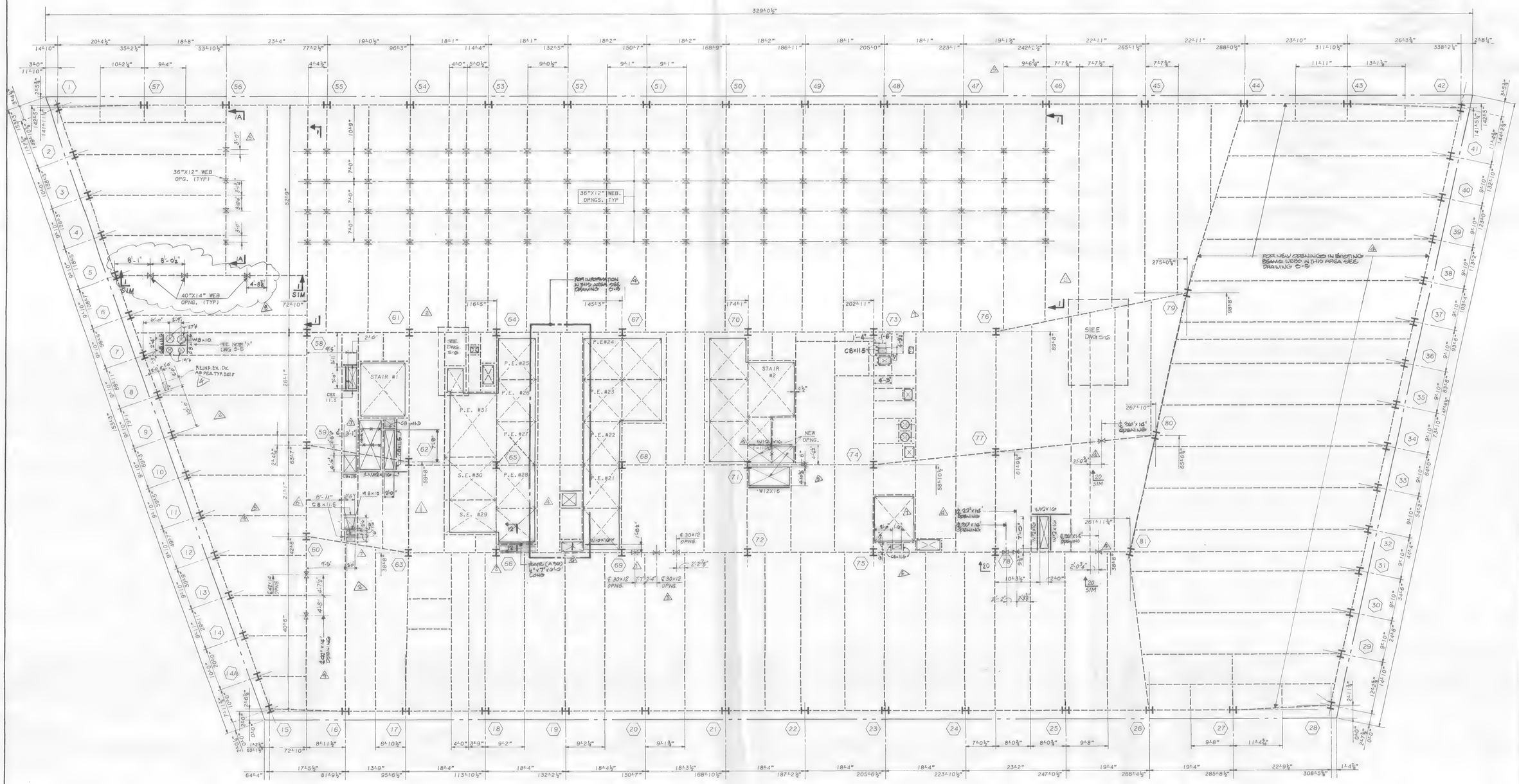
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

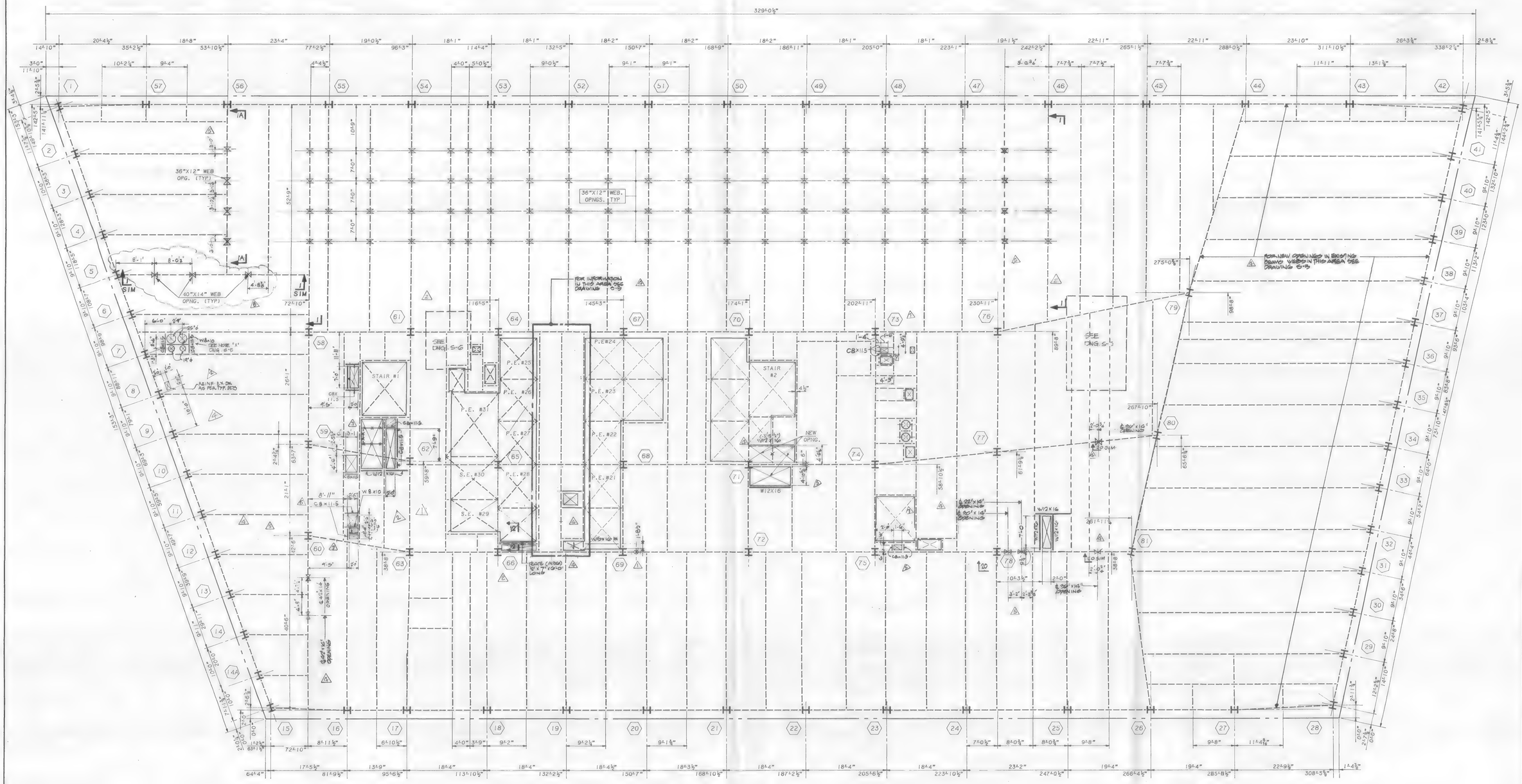
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER OF THE CANTOR/SEINUK GROUP

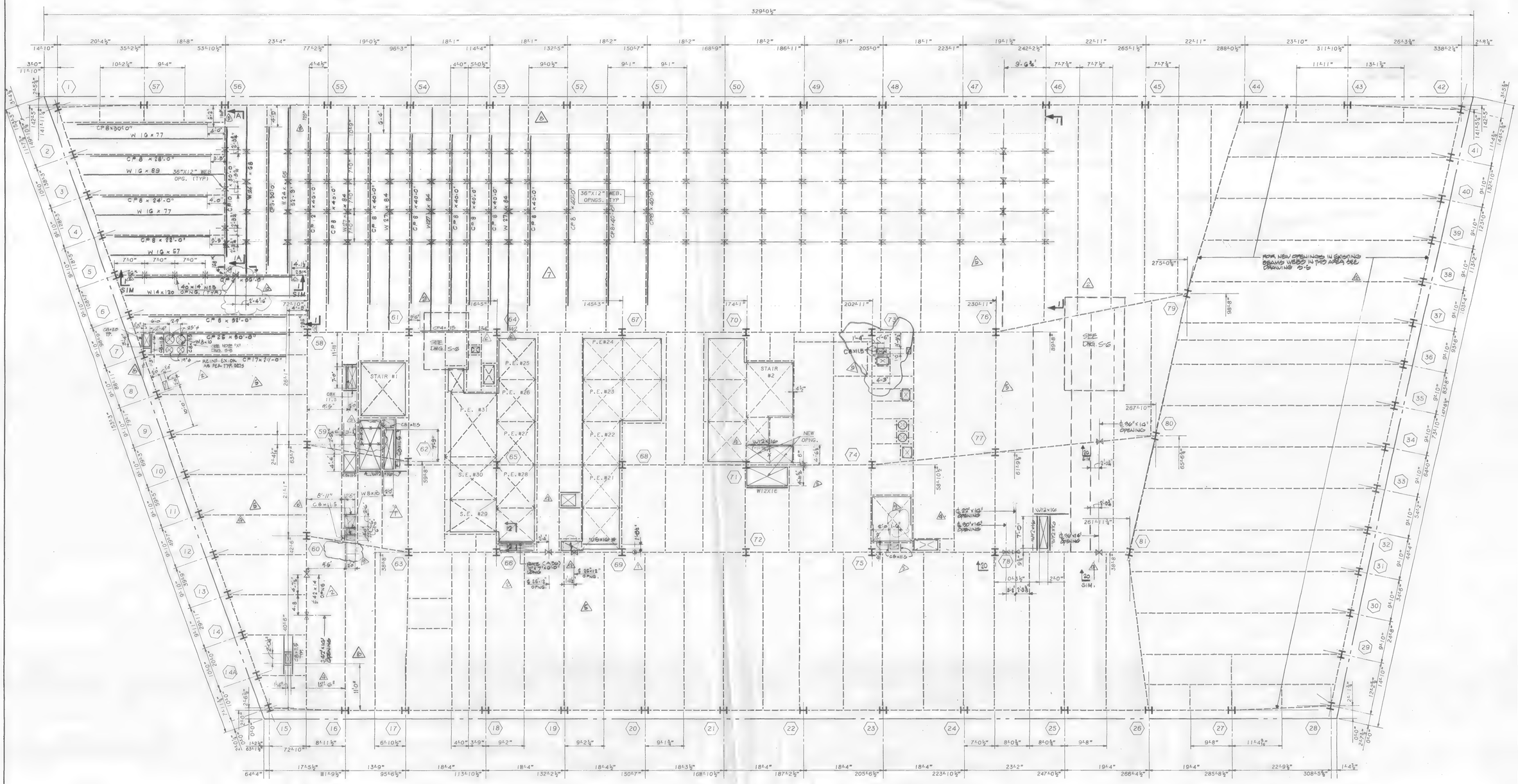
31ST. FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill 1988

Project No.:
Date:
Scale:
Sheet No. S-6


329'-0½"
36"X12" WEB OPG. (TYP)
40"X14" WEB OPNG. (TYP)
36"X12" WEB OPNGS. TYP
FOR INFORMATION ON THIS AREA SEE DRAWING S-5
FOR NEW OPENINGS IN EXISTING BEAMS WEBS IN THIS AREA SEE DRAWING S-5
SEE DWG S-6
STAIR #1
STAIR #2
P.E.#24
P.E.#25
P.E.#26
P.E.#23
P.E.#22
P.E.#21
P.E.#27
P.E.#28
P.E.#29
P.E.#30
P.E.#31
NEW OPNG.
W12X16
W8X10
W18X16
W12X10
W12X14
W12X26
W12X19
W12X40
W10X49
W10X45
W10X33
W10X30
W10X22
W10X12
C8X11.5
C6X8.2
C8X13.75
C6X10.5
C8X18.75
C6X15
C9X15
C9X20
C10X15.3
C10X20
C10X25
C10X30
C12X20.7
C12X25
C12X30
C12X40
C12X30
C12X25
C12X20.7
C10X30
C10X25
C10X20
C10X15.3
C9X20
C9X15
C6X15
C8X18.75
C6X10.5
C8X13.75
C6X8.2
C8X11.5
SLOPE (4.00) 4"x7'-0" LONG
SIM
SEE NOTE 1 LNG S-5
REINF. EX. DK. AS REQ'D TYP. OF 8
22"X14" OPENING
20"X16" OPENING
20"X14" OPENING
20 SIM
1-6"
1-4"
4-5"
4-4"
4-6"
4-8"
4-10"
4-11"
5-0"
5-1"
5-2"
5-3"
5-4"
5-5"
5-6"
5-7"
5-8"
5-9"
5-10"
5-11"
6-0"
6-1"
6-2"
6-3"
6-4"
6-5"
6-6"
6-7"
6-8"
6-9"
6-10"
6-11"
7-0"
7-1"
7-2"
7-3"
7-4"
7-5"
7-6"
7-7"
7-8"
7-9"


329'-0½"
36"X12" WEB OPG. (TYP.)
40"X14" WEB OPNG. (TYP.)
36"X12" WEB OPNGS. TYP
FOR INFORMATION IN THIS AREA SEE DRAWING S-5
FOR W8X10 SEE NOTE 'X' DWG S-5
REINF. EX. OPNG AS PER TYP. DETS
STAIR #1
STAIR #2
P.E. #24
P.E. #25
P.E. #26
P.E. #23
P.E. #27
P.E. #22
P.E. #28
P.E. #21
S.E. #30
S.E. #29
P.E. #31
NEW OPNG.
W12X16
W8X10
CB X11.5
CB X11.6
CBX11.5
CBX11
SEE DWG S-6
SEE DWG S-5
FOR LIGHT WEIGHT CONC. SEE DWG S-5
FOR W8X10 SEE NOTE 'X' DWG S-5
FOR LIGHT WEIGHT CONC. SEE DWG S-5
FOR LIGHT WEIGHT CONC. SEE DWG S-5
FOR LIGHT WEIGHT CONC. SEE



34TH FLOOR FRAMING PLAN

NOTES:
1. TOP OF NEW STEEL SHALL BE 5½" BELOW EXISTING CONC. FLOOR U.O.N. THUS (5½") INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:
1. ⟨...⟩ INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. ⟵ INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. – – – – INDICATES EXISTING STEEL FRAMING.
7. ⊠ INDICATES EXISTING SLAB OPENING.
8. ⊠ INDICATES NEW SLAB OPENING.
9. ⟨...⟩ INDICATES NEW POST OR COLUMN.
10. —⊗— INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS — --- INDICATING DISTANCE BELOW T/STL. BM.
11. CP... INDICATES REINF. FOR EXIST. BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.
12. ⚠ INDICATES TYP. OF REINFORCED EXIST. CONNECTIONS, SEE TYP. DET. DWG S-33.

STATE OF NEW YORK — IRWIN G. CANTOR No. — LICENSED PROFESSIONAL ENGINEER

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
10		REVISED AS CIRCLED
9	8/16/89	REVISED AS CIRCLED
8	8-10-89	ISSUED FOR FIELD SKETCH
7	8-22-89	REVISED AS CIRCLED
6	4-4-89	REVISED AS CIRCLED
5	3-1-89	REV. SEE AS CIRCLED
4	1/30/89	REV. AS CIRCLED
3	1/9/89	ISSUED FOR CONSTRUCTION
2	12/22/88	REVISED AS CIRCLED
1	10/17/88	REVISED AND ISSUED FOR FINAL SIGN OFF
	10/17/88	SUBMITTED TO PORT AUTHORITY FOR APPROVAL OF FINAL DESIGN MODIFICATIONS

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

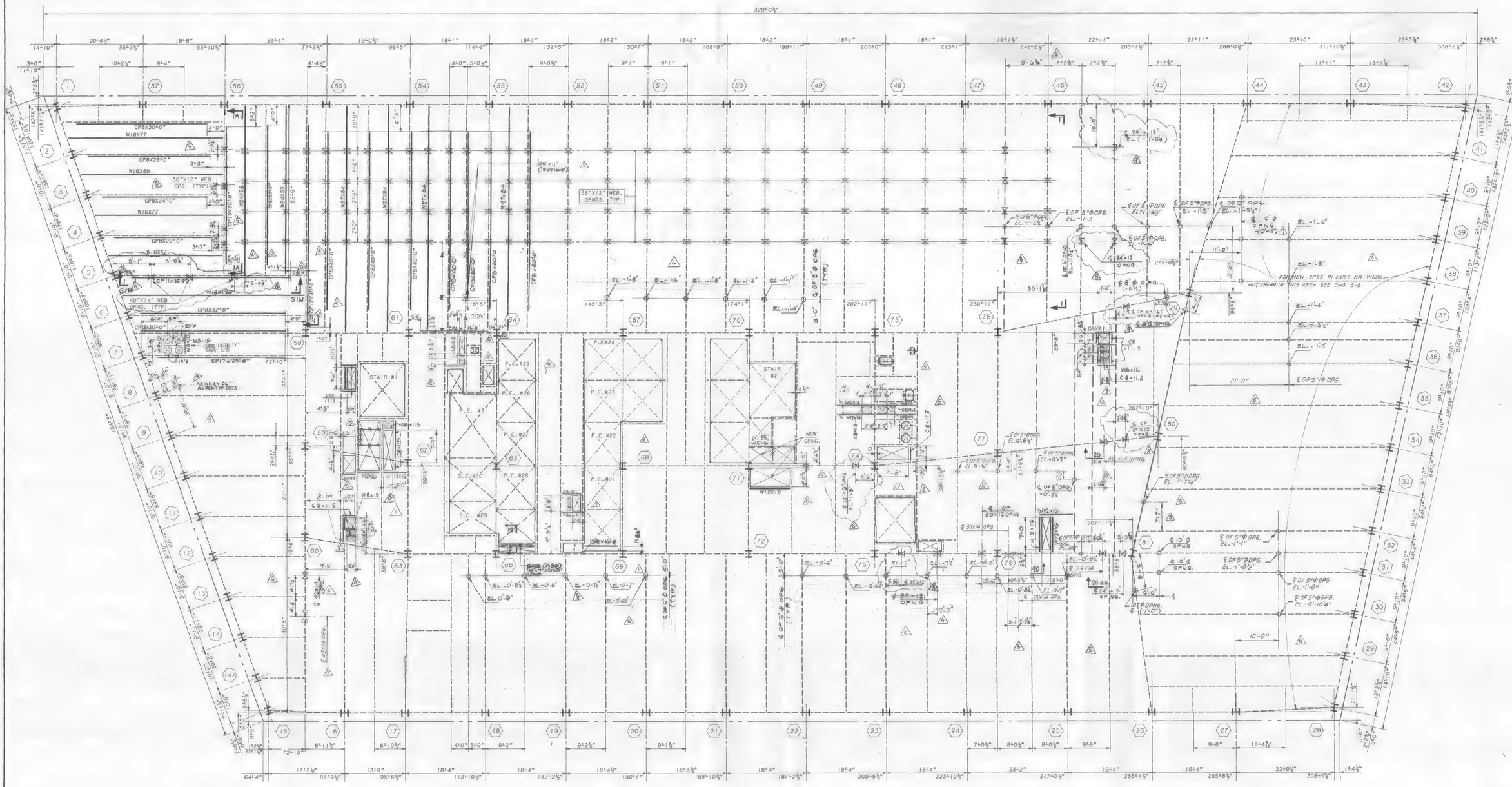
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER OF THE CANTOR SEINUK GROUP

34TH FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill, 1988

Project No.:
Sheet No. S-9
Date:
Scale:



35TH FLOOR FRAMING PLAN

NOTES:
1. TOP OF NEW STEEL SHALL BE 5½" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.
7. ALL PLUMBING & EL/S TO BE VERIFIED WITH PLUMBING SHOP DWGS. BE FORE PROCEEDING WITH WORK.

LEGEND:
1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. ←——→ INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. —X— INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. – – – – INDICATES EXISTING STEEL FRAMING.
7. ▨ INDICATES EXISTING SLAB OPENING.
8. ▩ INDICATES NEW SLAB OPENING.
9. (...N) INDICATES NEW POST OR COLUMN.
10. —⊗— INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS ⊗— FROM TOP OF STEEL BEAM.
11. CP... INDICATES REINF. FOR EXIST. BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.
12. △ INDICATES TYPE OF EXIST. CONNECTION REINF. DETAIL SEE DETAIL ON DWG. S-33

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

No.	Date	Revision
8		REVISED AS CIRCLED
7	8/15/89	REVISED AS CIRCLED
6	8/6/89	REVISED AS CIRCLED
5	3/1/89	REVISED AS CIRCLED
4	1/30/89	FOR AS CIRCLED
3	1/5/89	ISSUED FOR CONSTRUCTION
2	12/27/88	REVISED AS CIRCLED
1	12/19/88	REVISED AS CIRCLED FOR PARTIAL SLAB...
	10/17/88	SUBMITTED FOR CONSTRUCTION FOR APPROVAL OF BASE BUILDING MODIFICATIONS

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

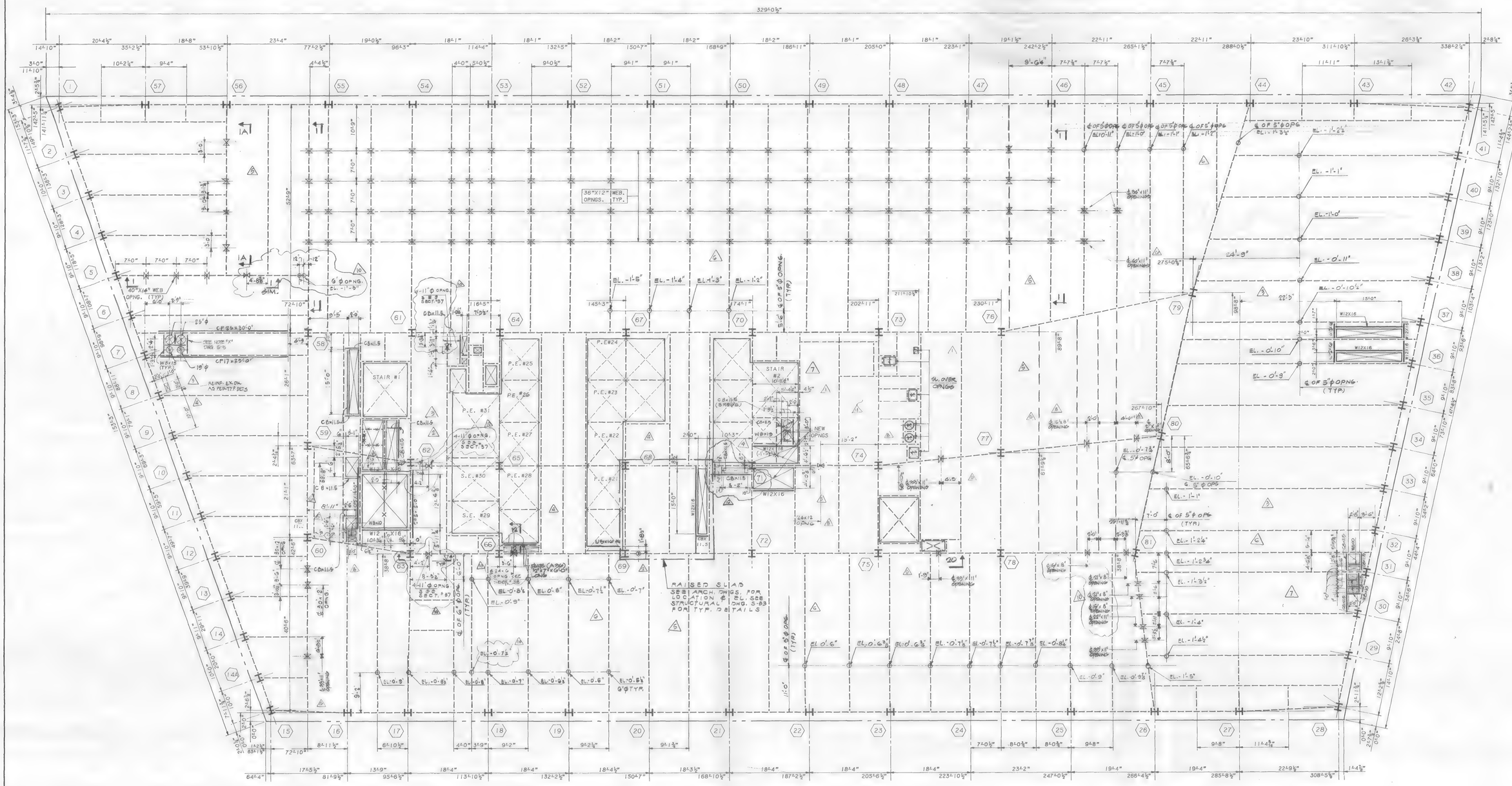
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

35TH FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill, 1988

Project No.
Sheet No. S-10
Date:
Scale:



36TH FLOOR FRAMING PLAN

NOTES:

1. TOP OF NEW STEEL SHALL BE 5⅛" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.
7. ALL PLUMBING & ELS TO BE VERIFIED WITH PLUMBING SHOP DWGS. BEFORE PROCEEDING WITH WORK.

LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. INDICATES NEW STEEL FRAMING.
6. INDICATES EXISTING STEEL FRAMING.
7. INDICATES EXISTING SLAB OPENING.
8. INDICATES NEW SLAB OPENING.
9. INDICATES NEW POST OR COLUMN.
10. INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS ----INDICATING DISTANCE BELOW T/STL. BM.
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33

STATE OF NEW YORK IRWIN G. CANTOR P.E. LICENSED PROFESSIONAL ENGINEER

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

NOTES

LEGEND

No.	Date	Revision
10	7-3-90	ISSUED FOR BULLETIN #105
9	8/22/89	ISSUED FOR FIELD SKETCH
8	01/5/89	REVISED AS CIRCLED
7	5/12/89	REVISED AS CIRCLED
6	4/6/89	REVISED PER LANDLORD
5	3/1/89	REVISED AS CIRCLED
4	1/30/89	REVISED AS CIRCLED
3	11/3/88	ISSUED FOR SUBST
2	12/19/88	REVISED AS CIRCLED
2	12/16/88	REVISION OF GRADE FOR ENTRY ELEVATION
1	11/7/88	REVISION TO 10/31/88 SUBMISSION
	10/31/88	ISSUED TO P.A. FOR APPROVAL OF BASE BLDG MODIFICATIONS.

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

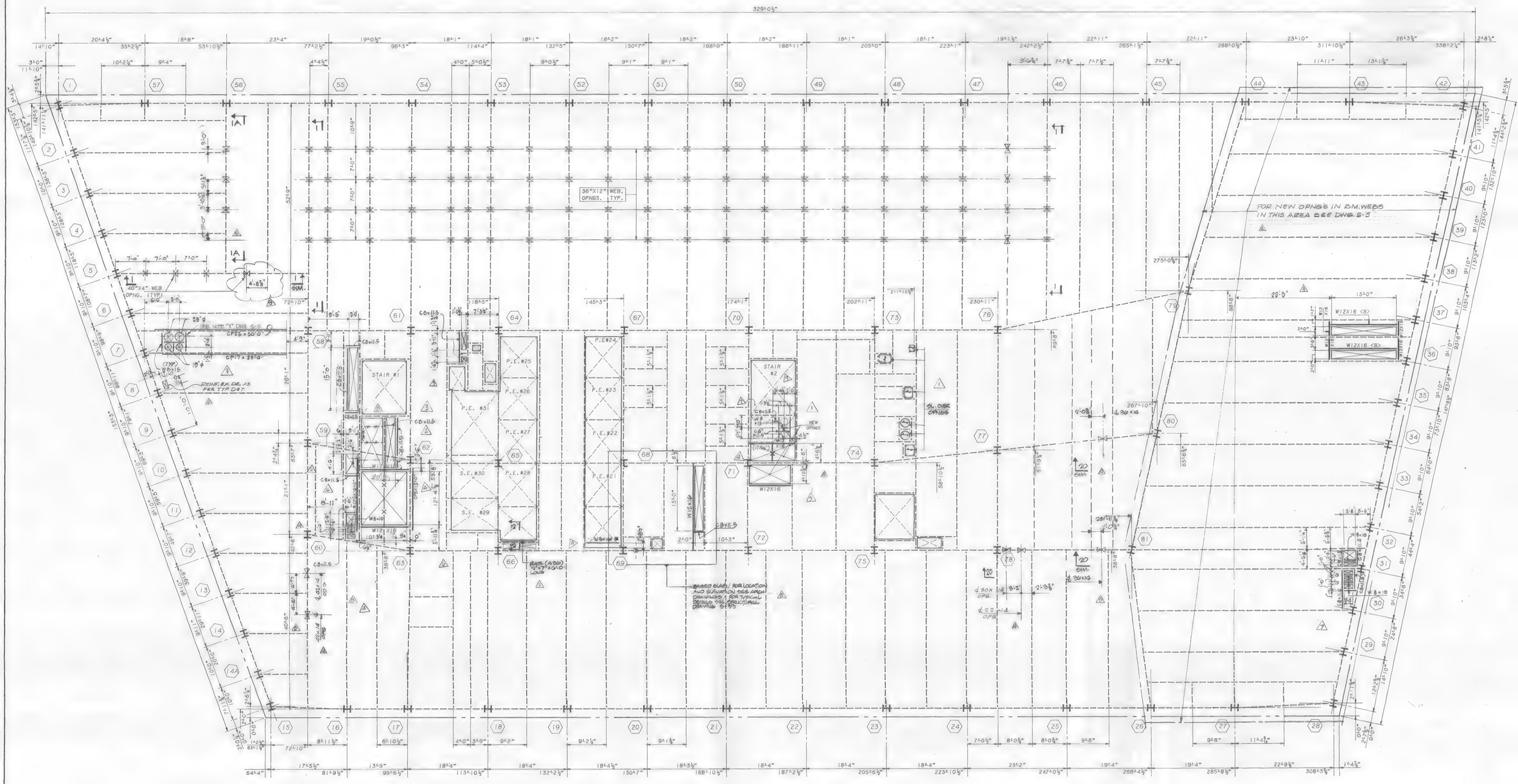
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

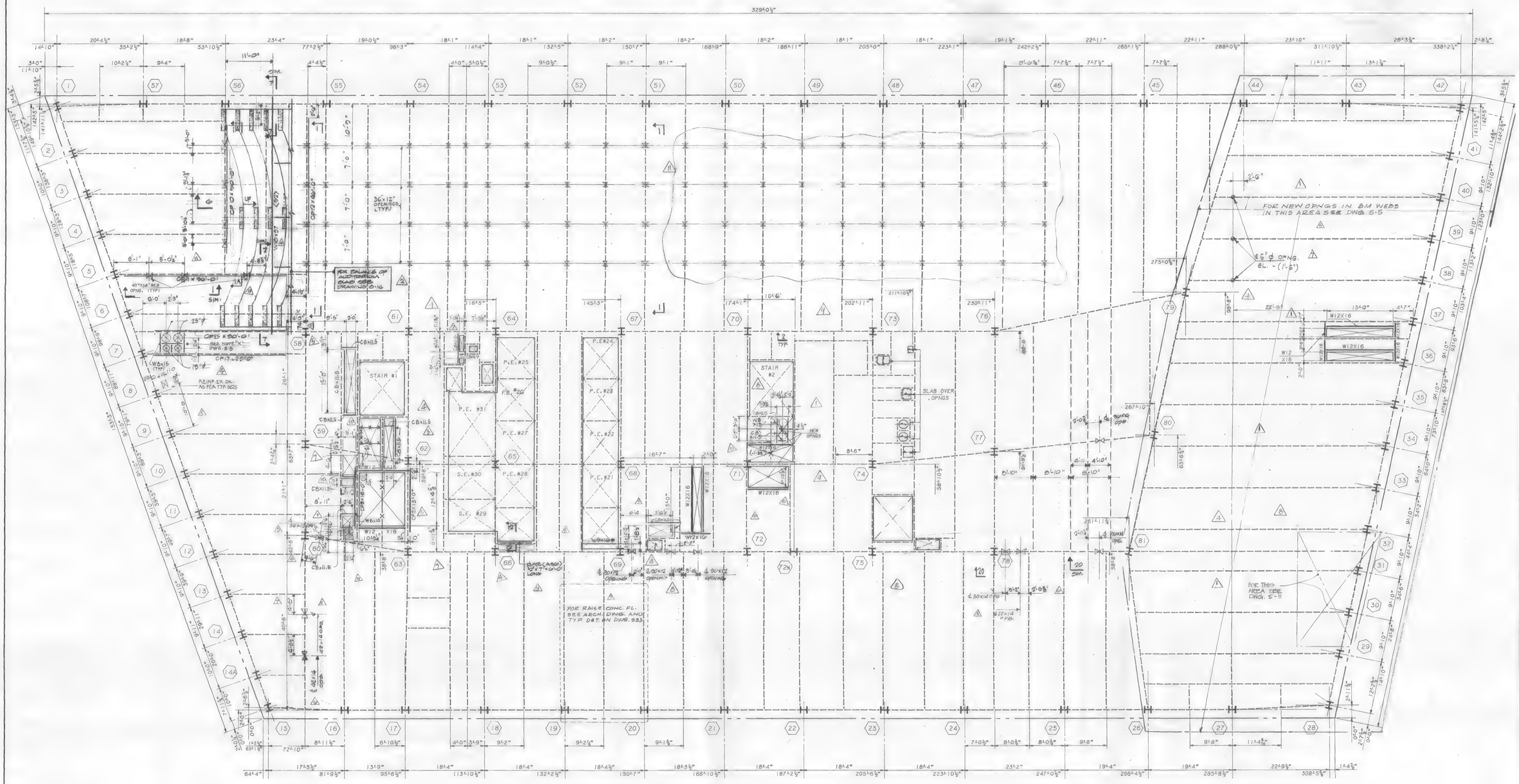
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER: THE CANTOR/SEIUK GROUP

36TH FLOOR FRAMING PLAN

© Skidmore, Owings & Merrill 1988

Project No.:
Sheet No.: S-11
Date:
Scale:


329'-0½"
36"X12" WEB OPNGS. TYP.
FOR NEW OPNGS IN BM. WEBS IN THIS AREA SEE DWG. S-5
STAIR #1
STAIR #2
P.E. #21
P.E. #22
P.E. #23
P.E. #24
P.E. #25
P.E. #26
P.E. #27
P.E. #28
P.E. #29
P.E. #30
P.E. #31
RAISED SLAB, FOR LOCATION AND ELEVATION SEE ARCH. DRAWINGS, FOR TYPICAL FRAMING SEE STRUCTURAL DRAWING S-19
RAISED SLAB @ 7" AGO'G LOAD
SL. OVER OPNGS
NEW OPNGS
W12X16
W16X40
W8X10
W12X19
W16X26
W16X31
W16X36
W16X40
W16X45
W16X50
W16X57
W16X67
W16X77
W16X89
W16X100
W18X35
W18X40
W18X46
W18X50
W18X55
W18X60
W18X65
W18X71
W18X76
W18X86
W18X97
W18X106
W18X119
W18X130
W18X143
W18X158
W18X175
W18X192
W18X211
W18X234
W18X258
W18X283
W18X311
W18X343
W18X375
W18X406
W18X443
W18X480
W18X524
W18X575
W18X630
W18X700
W18X775
W18X864
W18X960
W18X1060
W18X1161
W18X1268
W18X1378
W18X1500
W18X1632
W18X1776
W18X1939
W18X2119
W18X2314
W18X2529
W18X2765
W18X3025
W18X3311
W18X3625
W18X3967
W18X4342
W18X4756
W18X5208
W18X5704
W18X6250
W18X6850
W18X7500
W18X8214
W18X8996
W18X9852
W18X10790
W18X11818
W18X12944
W18X14178
W18X15530
W18X17010
W18X18630
W18X20400
W18X22340
W18X24470
W18X26800
W18X29350
W18X32150
W18X35210
W18X38560
W18X42230
W18X46250
W18X50650
W18X55470
W18X60740
W18X66520
W18X72850
W18X79790
W18X87390
W18X95720
W18X104850
W18X114850
W18X125800
W18X137800
W18X150900
W18X165200
W18X180900
W18X198100
W18X216900
W18X237500
W18X260000
W18X284600
W18X311500
W18X341000
W18X373400
W18X408900
W18X447700
W18X490200
W18X536700
W18X587600
W18X643300
W18X704200
W18X770800
W18X843600
W18X923200
W18X1010000
W18X1105000
W18X1209000
W18X1323000
W18X1447000
W18X1583000
W18X1732000
W18X1895000
W18X2073000
W18X2268000
W18X2481000
W18X2714000
W18X2969000
W18X3247000
W18X3551000
W18X3882000
W18X4243000
W18X4636000
W18X5064000
W18X5530000
W18X6037000
W18X6588000
W18X7186000
W18X7835000
W18X8538000
W18X9299000
W18X10122000
W18X11010000
W18X11968000
W18X12999000
W18X14107000
W18X15296000
W18X16570000
W18X17933000
W18X19390000
W18X20946000
W18X22605000
W18X24372000
W18X26252000
W18X28250000
W18X30370000
W18X32618000
W18X35000000
W18X37520000
W18X40184000
W18X42998000
W18X45968000
W18X49100000
W18X52400000
W18X55872000
W18X59520000
W18X63350000
W18X67364000
W18X71568000
W18X75968000
W18X80568000
W18X85372000
W18X90384000
W18X95608000
W18X101048000
W18X106708000
W18X112592000
W18X118704000
W18X125048000
W18X131628000
W18X138448000
W18X145512000
W18X152824000
W18X160388000
W18X168208000
W18X176288000
W18X184632000
W18X193244000
W18X202128000
W18X211288000
W18X220728000
W18X230452000
W18X240464000
W18X250768000
W18X261368000
W18X272268000
W18X283472000
W18X294984000
W18X306808000
W18X318948000
W18X331408000
W18X344192000
W18X357304000
W18X370748000
W18X384528000
W18X398648000
W18X413112000
W18X427924000
W18X443088000
W18X458608000
W18X474488000
W18X490732000
W18X507344000
W18X524328000
W18X541688000
W18X559428000
W18X577552000
W18X596064000
W18X614968000
W18X634268000
W18X653968000
W18X674072000
W18X694584000
W18X715508000
W18X736848000
W18X758608000
W18X780792000
W18X803404000
W18X826448000
W18X849928000
W18X873848000
W18X898212000
W18X923024000
W18X948288000
W18X974008000
W18X1000188000
W18X1026832000
W18X1053944000
W18X1081528000
W18X1109588000
W18X1138128000
W18X1167152000
W18X1196664000
W18X1226668000
W18X1257168000
W18X1288168000
W18X1319672000
W18X1351684000
W18X1384208000
W18X1417248000
W18X1450808000
W18X1484892000
W18X1519504000
W18X1554648000
W18X1590328000
W18X1626548000
W18X1663312000
W18X1700624000
W18X1738488000
W18X1776908000
W18X1815888000
W18X1855432000
W18X1895544000
W18X1936228000
W18X1977488000
W18X2019328000
W18X2061752000
W18X2104764000
W18X2148368000
W18X2192568000
W18X2237368000
W18X2282772000
W18X2328784000
W18X2375408000
W18X2422648000
W18X2470508000
W18X2518992000
W18X2568104000
W18X2617848000
W18X2668228000
W18X2719248000
W18X2770912000
W18X2823224000
W18X2876188000
W18X2929808000
W18X2984088000
W18X3039032000
W18X3094644000
W18X3150928000
W18X3207888000
W18X3265528000
W18X3323852000
W18X3382864000
W18X3442568000
W18X3502968000
W18X3564068000
W18X3625872000
W18X3688384000
W18X3751608000
W18X3815548000
W18X3880208000
W18X3945592000
W18X4011704000
W18X4078548000
W18X4146128000
W18X4214448000
W18X4283512000
W18X4353324000
W18X4423888000
W18X4495208000
W18X4567288000
W18X4640132000
W18X4713744000
W18X4788128000
W18X4863288000
W18X4939228000
W18X5015952000
W18X5093464000
W18X5171768000
W18X5250868000
W18X5330768000
W18X5411472000
W18X5492984000
W18X5575308000
W18X5658448000
W18X5742408000
W18X5827192000
W18X5912804000
W18X5999248000
W18X6086528000
W18X6174648000
W18X6263612000
W18X6353424000
W18X6444088000
W18X6535608000
W18X6627988000
W18X6721232000
W18X6815344000
W18X6910328000
W18X7006188000
W18X7102928000
W18X7200552000
W18X7299064000
W18X7398468000
W18X7498768000
W18X7599968000
W18X7702072000
W18X7805084000
W18X7909008000
W18X8013848000
W18X8119608000
W18X8226292000
W18X8333904000
W18X8442448000
W18X8551928000
W18X8662348000
W18X8773712000
W18X8886024000
W18X8999288000
W18X9113508000
W18X9228688000
W18X9344832000
W18X9461944000
W18X9580028000
W18X9699088000
W18X9819128000
W18X9940152000
W18X10062164000
W18X10185168000
W18X10309168000
W18X10434168000
W18X10560172000
W18X10687184000
W18X10815208000
W18X10944248000
W18X11074308000
W18X11205392000
W18X11337504000
W18X11470648000
W18X11604828000
W18X11740048000
W18X11876312000
W18X12013624000
W18X12151988000
W18X12291408000
W18X12431888000
W18X12573432000
W18X12716044000
W18X12859728000
W18X13004488000
W18X13150328000
W18X13297252000
W18X13445264000
W18X13594368000
W18X13744568000
W18X13895868000
W18X14048272000
W18X14201784000
W18X14356408000
W18X14512148000
W18X14669008000
W18X14826992000
W18X14986104000
W18X15146348000
W18X15307728000
W18X15470248000
W18X15633912000
W18X15798724000
W18X15964688000
W18X16131808000
W18X16300088000
W18X16469532000
W18X16640144000
W18X16811928000
W18X16984888000
W18X17159028000
W18X17334352000
W18X17510864000
W18X17688568000
W18X17867468000
W18X18047568000
W18X18228872000
W18X18411384000
W18X18595108000
W18X18780048000
W18X18966208000
W18X19153592000
W18X19342204000
W18X19532048000
W18X19723128000
W18X19915448000
W20X14
W20X16
W20X19
W20X22
W20X25
W20X28
W20X31
W20X35
W20X39
W20X43
W20X48
W20X52
W20X57
W20X62
W20X68
W20X74
W20X80
W20X86
W20X93
W20X100
W20X106
W20X114
W20X122
W20X129
W20X136
W20X143
W20X151
W20X159
W20X167
W20X175
W20X183
W20X191
W20X199
W20X207
W20X215
W20X223
W20X231
W20X239
W20X247
W20X255
W20X263
W20X271
W20X279
W20X287
W20X295
W20X303
W20X311
W20X319
W20X327
W20X335
W20X343
W20X351
W20X359
W20X367
W20X375
W20X383
W20X391
W20X399
W20X407
W20X415
W20X423
W20X431
W20X439
W20X447
W20X455



38TH FLOOR FRAMING PLAN

NOTES:

1. TOP OF NEW STEEL SHALL BE 5½" BELOW EXISTING CONC. FLOOR U.O.N. THUS (5----) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. INDICATES NEW STEEL FRAMING.
6. INDICATES EXISTING STEEL FRAMING.
7. INDICATES EXISTING SLAB OPENING.
8. INDICATES NEW SLAB OPENING.
9. (..N) INDICATES NEW POST OR COLUMN. TO BE W8 x 28 U.O.N.
10. INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS ---INDICATING RISING BEAM TYP. BM.
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33
12. INDICATES TYPE OF EXIST. CONNECTION REINF. DETAIL. SEE DETAIL ON DWG. S-33

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
11	11/30/89	BULLETIN #13
10	8/15/89	REVISED AS CIRCLED
9	6/13/89	REVISED AS CIRCLED
8	6/27/89	REVISED AS CIRCLED
7	4/6/89	REVISED AS CIRCLED
6	3/1/89	REVISED AS CIRCLED
5	1/20/89	REVISED AS CIRCLED
4	1/3/89	ISSUED FOR CONST.
3	12/22/88	FOR ASSIGNED
2	12/9/88	REVISED AS NOTED
1	11/21/88	REVISION TO 11/7/88 SUBMISSION
	11/7/88	REVISION TO 10/31/88 SUBMISSION
	10/31/88	ISSUED TO N.Y. FOR APPROVAL OF BASE BLDG. MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

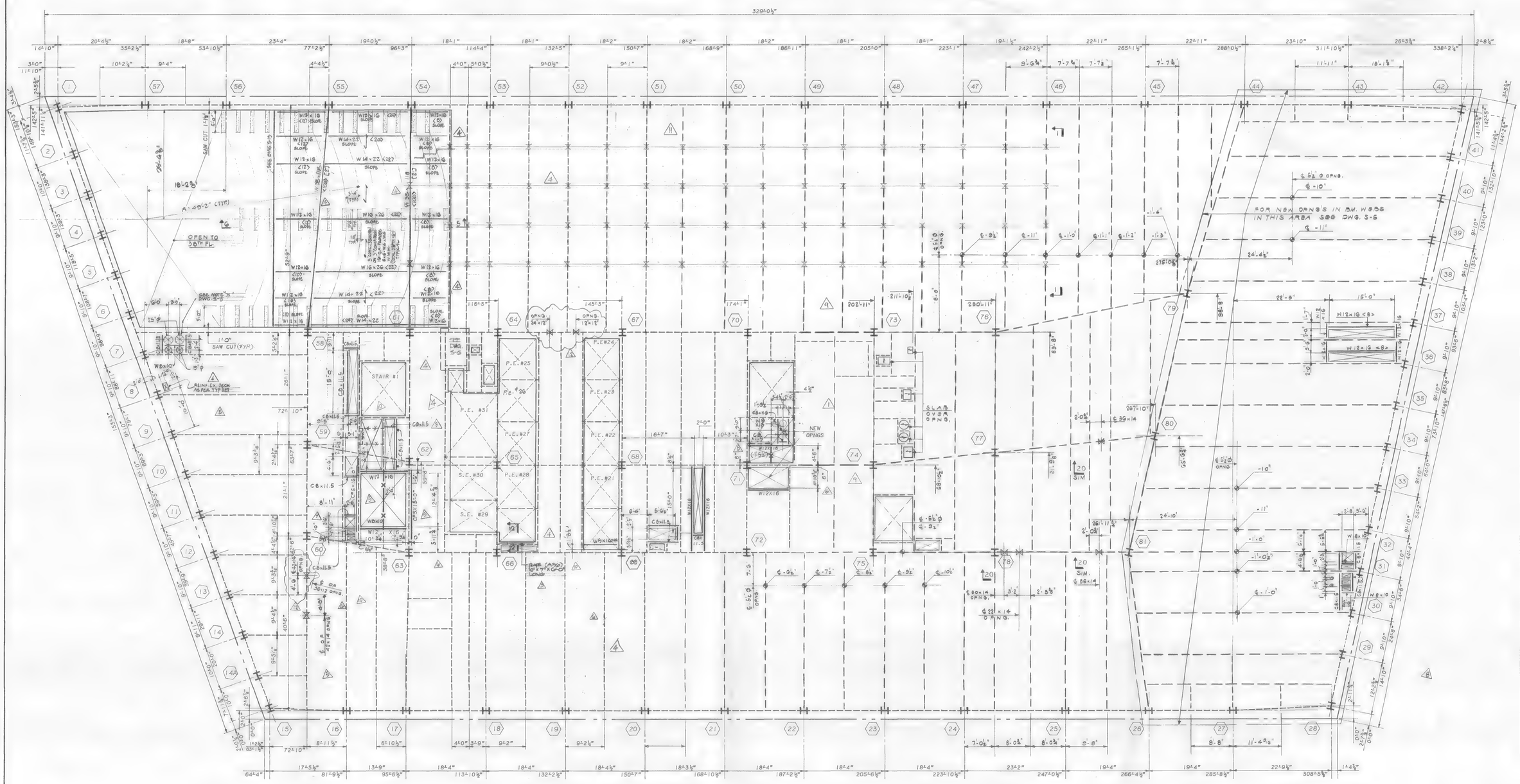
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEIFUK GROUP

38TH FLOOR
FRAMING PLAN

© Skidmore, Owings & Merrill 1988

Project No.:
Date:
Scale:
Sheet No. S-13

88067/202 S-13



39TH FLOOR FRAMING PLAN

NOTES:

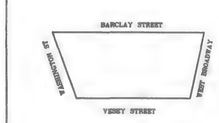
1. TOP OF NEW STEEL SHALL BE 5½" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±---) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.
7. CONTRACTOR TO SUBMIT DETAIL FOR SUPPORT OF EXIST. PIPES IN OPEN AREA FOR ENGINEERS REVIEW AND APPROVAL.

LEGEND:

1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. ——→ INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. —X— INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. – – – – INDICATES EXISTING STEEL FRAMING.
7. INDICATES EXISTING SLAB OPENING.
8. INDICATES NEW SLAB OPENING.
9. (...N) INDICATES NEW POST OR COLUMN. TO BE W8x20 U.O.N.
10. —⊠— INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N.
11. CP... INDICATES REINF. FOR EXISTING BEAM. FOR SIZE AND DETAILS SEE DWG. S-33

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
12	4/22/90	ISSUED FOR BULLETIN #174
11	11/30/89	BULLETIN #15
10	8/15/89	REVISED AS CIRCLED
9	6/12/89	REVISED AS CIRCLED
8	5/22/89	REVISED AS CIRCLED
7	4/6/89	REVISED AS CIRCLED
6	3/1/89	REVISED AS CIRCLED
5	1/20/89	REV. AS CIRCLED
4	1/5/89	ISSUED FOR CONST.
3	12/22/88	REV. AS CIRCLED
2	12/19/88	REVISED AS CIRCLED FOR PERMIT SET
1	11/8/88	REVISION TO 11/7/88 ISSUE SET
	10-31-88	REVISION TO 10/31/88 SUBMISSION
		ISSUED TO N.Y. FIRE DEPARTMENT OF BASE BLDG MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers /
475 Fifth Avenue, New York, N.Y. 10018

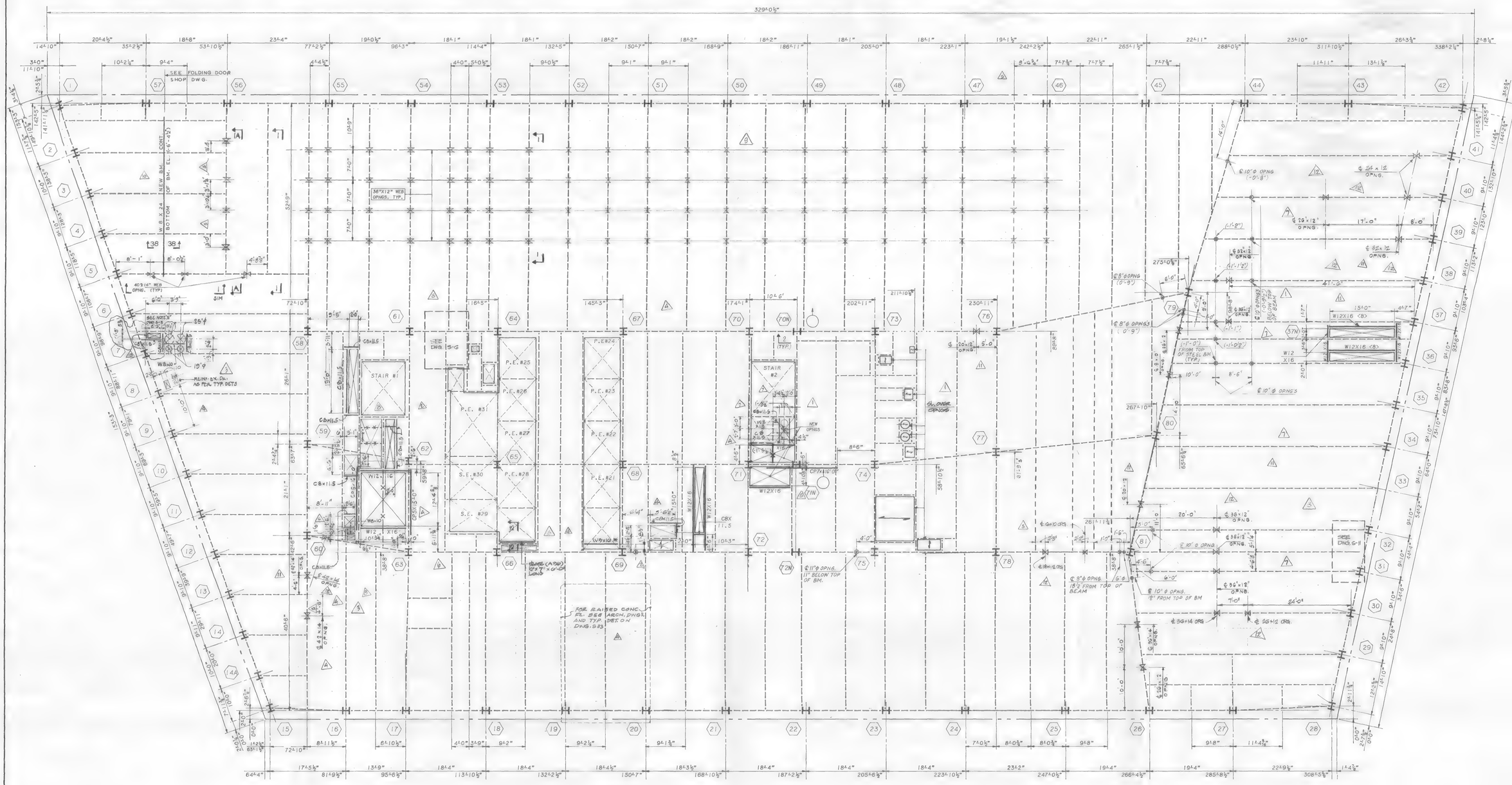
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEINUK GROUP

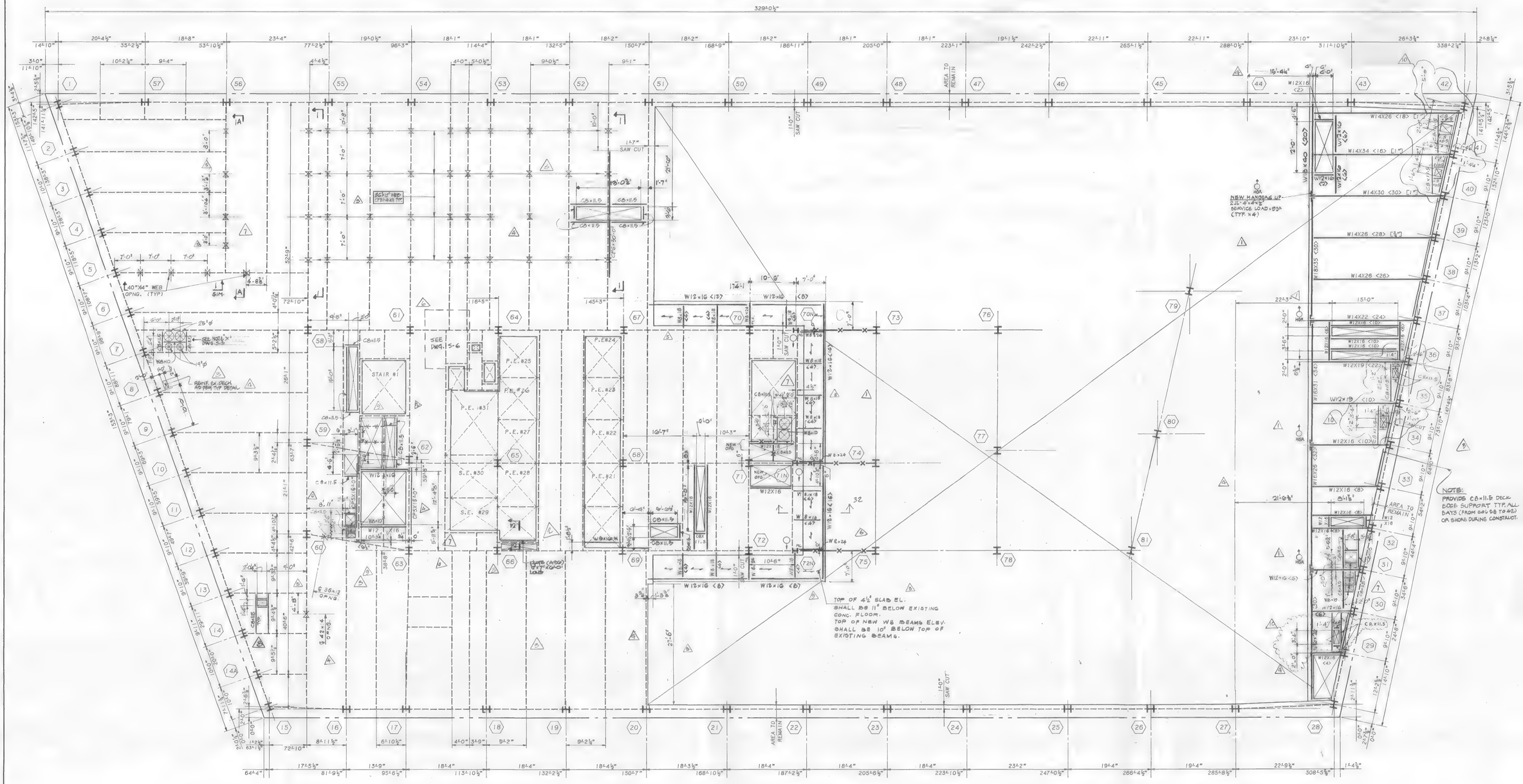
39TH FLOOR
FRAMING PLAN

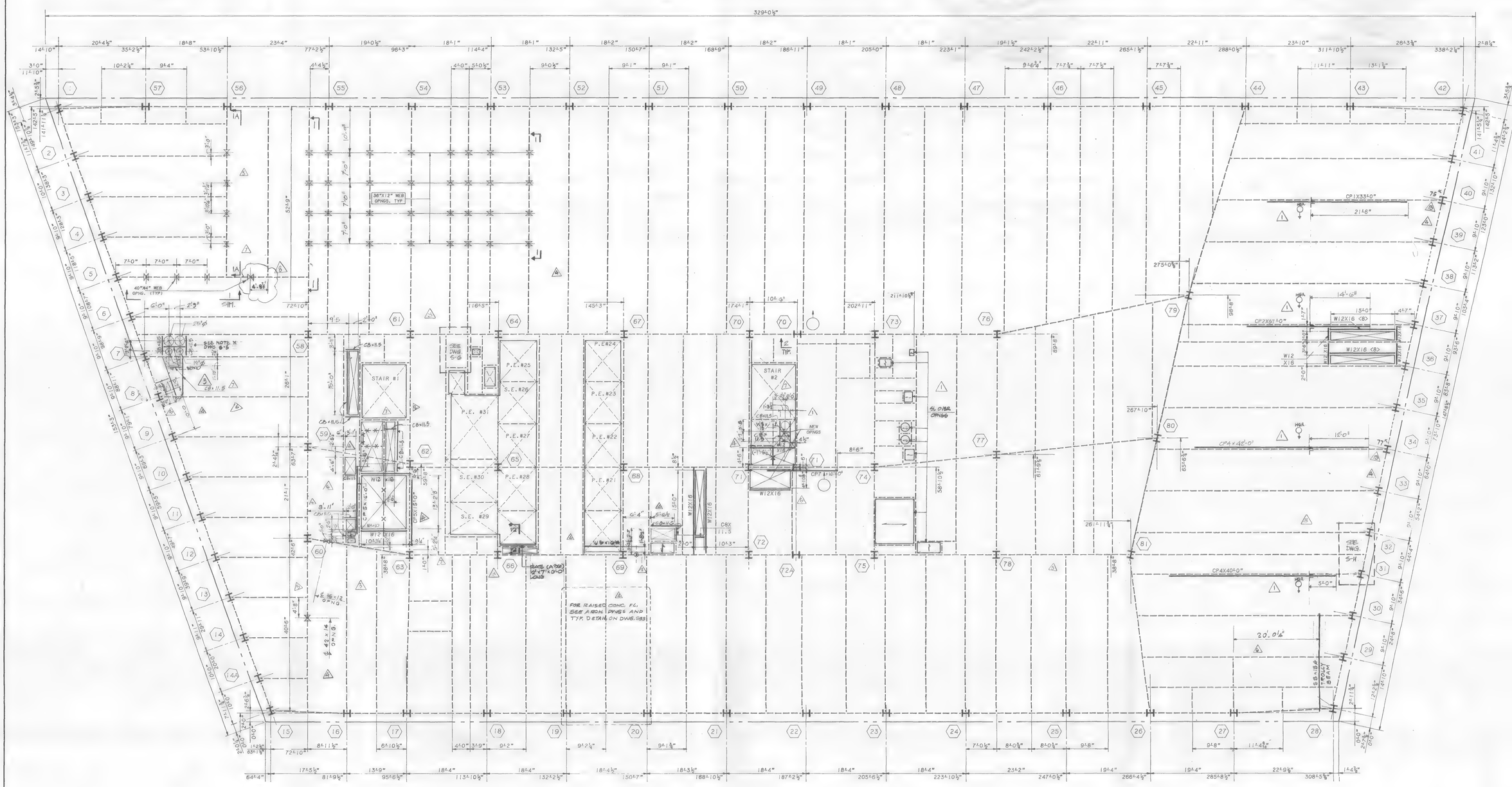
© Skidmore, Owings & Merrill, 1988

Project No.
Sheet No. S-14
Date:
Scale:

80-7/2025 14


329'-0½"
SEE FOLDING DOOR SHOP DWG.
NEW BM. (OF BM. EL. 416'-4½") CONT. BOTTOM
W 8 X 24
36"X12" WEB OPNGS. TYP.
SEE DWG. S-6
STAIR #1
STAIR #2
P.E. #25
P.E. #26
P.E. #31
P.E. #27
P.E. #24
P.E. #23
P.E. #22
P.E. #21
S.E. #30
S.E. #29
P.E. #28
FOR RAISED CONC. FL. SEE ARCH. DWGS. AND TYP. DET. ON DWG. S-23.
SEE DWG. S-11
W12X16
W8X10
W6X10
W6X15
W12X19
W12X26
W12X16 K
CB11.5
CBX 11.5
CPT 4'10"
CPT 4'11"
CPT 5'0"
CLOSE (A36) 9½" T X 0'-0" LONG
W12 X16 10'-3½"
W12 X16 10'-3"
W12 X16 10'-0"
W12 X16 8'-6"
W12 X16 8'-11"
W12 X16 8'-6"
W12 X16 8'-6"
W12 X16 8'-6


329'-0½"
AREA TO REMAIN
SAW CUT
NEW HANGER @ UP-22'-6" x 4'-6" SERVICE LOAD = 69k (TYP. x4)
HSR
NOTE: PROVIDE CB×11.5 DECK EDGE SUPPORT TYP. ALL BAYS (FROM GRIDS TO 42) OR SHORE DURING CONSTRUCT.
STAIR #1
SEE DWG. S-6
TOP OF 4½" SLAB EL. SHALL BE 11" BELOW EXISTING CONC. FLOOR. TOP OF NEW W8 BEAMS ELEV. SHALL BE 10" BELOW TOP OF EXISTING BEAMS.
P.E.#24
P.E.#25
P.E.#26
P.E.#23
P.E.#31
P.E.#27
P.E.#22
S.E.#30
P.E.#28
P.E.#21
S.E.#29
W12X16
W12X19
W14X26 <18>
W14X34 <16>
W14X30 <30>
W14X26 <28>
W14X26 <26>
W14X22 <24>
W12X19 <22>
W12X19 <10>
W12X16 <8>
W12X16 <7>
W12X16 <42>
W12X16 <37>
W12X16 <30>
W12X16 <26>
W12X16 <10>
W8X35 <30>
W8X10
W8X18
W8X24
W8X20
W8X31
W8X28
W8X21
W8X15
W8X67
W8X48
W8X40
W8X67
W8X48
W8X40
W8X18 <67>
W8X18 <47>
W8X18 <40>
W8X10
W8X15



42ND FLOOR FRAMING PLAN

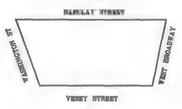
NOTES:
1. TOP OF NEW STEEL SHALL BE ⅝" BELOW EXISTING CONC. FLOOR U.O.N. THUS (±---) INDICATING DISTANCE FROM TOP OF EXIST. CONC. BEAM.
2. ALL NEW STEEL SHAPES SHALL BE A-36 U.O.N.
3. ALL NEW BEAM REINFORCING PLATES SHALL BE A-572 GRADE 50 STEEL U.O.N.
4. FOR GENERAL NOTES AND TYPICAL SUPERSTRUCTURE DETAILS, SEE DWG. S-32, S-33.
5. ALL BEAM WEB OPENINGS SHALL BE VERIFIED WITH HVAC CONTRACTOR'S SHOP DWGS.
6. EXISTING CONSTRUCTION SHALL BE SHORED AS REQUIRED DURING ALTERATION WORK.

LEGEND:
1. <...> INDICATES SHEAR CONNECTORS.
2. [...] INDICATES CAMBER.
3. ⟵ INDICATES DIRECTION OF NEW 2½" CONC. ON 2" 18 GAUGE COMPOSITE METAL DECK OVER EXIST. OPENING.
4. —X— INDICATES PORTION OF EXISTING BEAM TO BE REMOVED AFTER ALL NEW STEEL IS ERECTED OR BEAMS ARE PROPERLY SHORED.
5. ——— INDICATES NEW STEEL FRAMING.
6. – – – – INDICATES EXISTING STEEL FRAMING.
7. ☒ INDICATES EXISTING SLAB OPENING.
8. ☒ INDICATES NEW SLAB OPENING.
9. (...M) INDICATES NEW POST OR COLUMNS TO BE W8x28 U.O.N.
10. —⊗— INDICATES BEAM PENETRATION IN WEB ℄ OF PENETRATION SHALL BE AT ℄ OF BEAM U.O.N. THUS -.... FROM TOP OF BEAM
11. CP... INDICATES REINF. FOR EXIST. BEAM. FOR SIZE AND DETAILS SEE DWG. S-33.

STATE OF NEW YORK — IRWIN G. CANTOR P.E. — PROFESSIONAL ENGINEER

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
8		REVISED AS CIRCLED
7	5/15/89	REVISED AS CIRCLED
6	4/5/89	REVISED AS CIRCLED
5	2/1/89	REVISED AS CIRCLED
4	1/20/89	REVISED AS CIRCLED
3	11/3/88	ISSUED FOR CONST.
2	12/22/88	REV. AS CIRCLED
2	12/19/88	REVISED AS CIRCLED FOR SHUTTLE ELEV.
1	11/1/88	REVISION TO 10/31/88 SUBMISSION
	OCT. 31, 1988	ISSUED TO BSA FOR APPROVAL OF BASE BUILDING MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

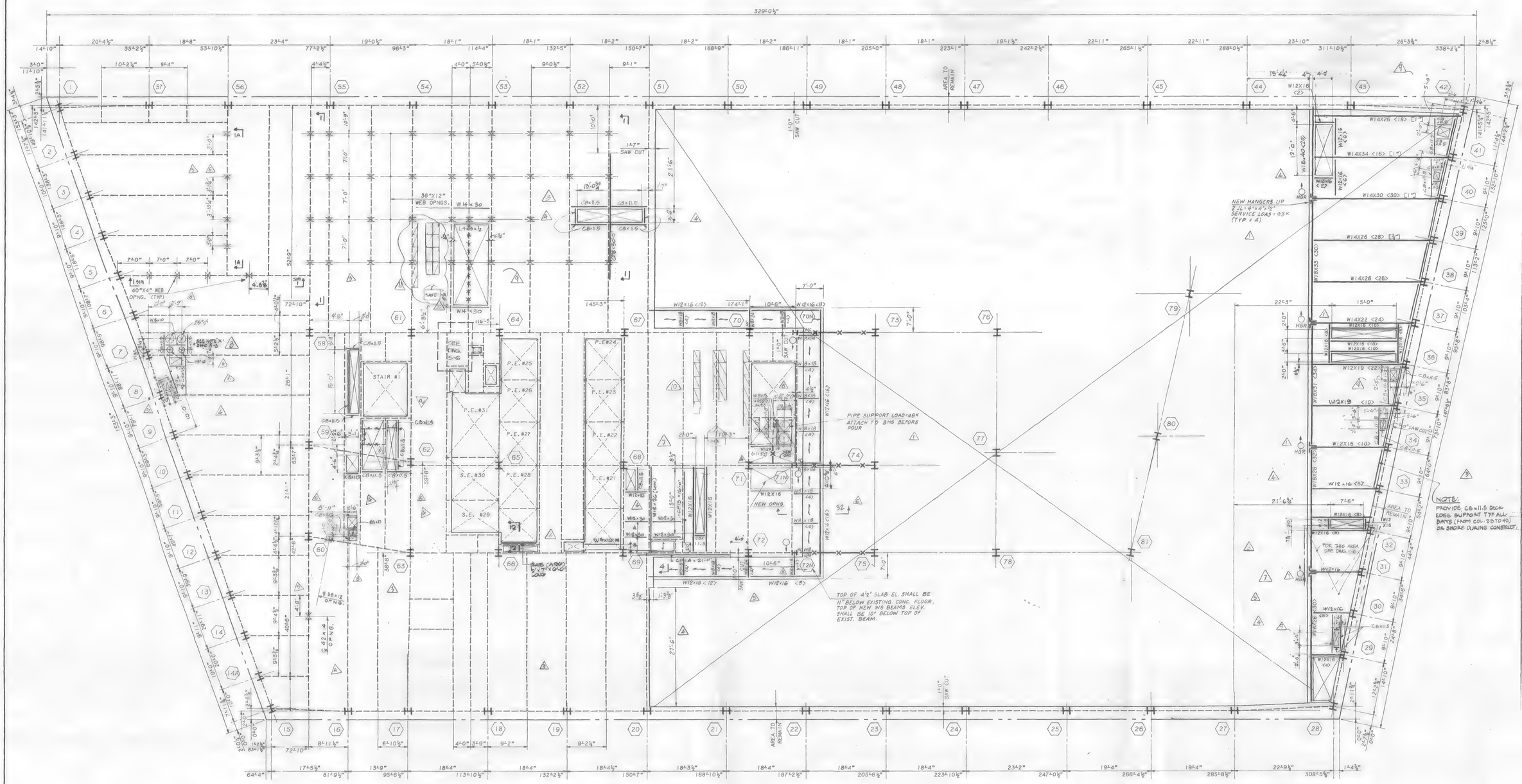
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEINUK GROUP

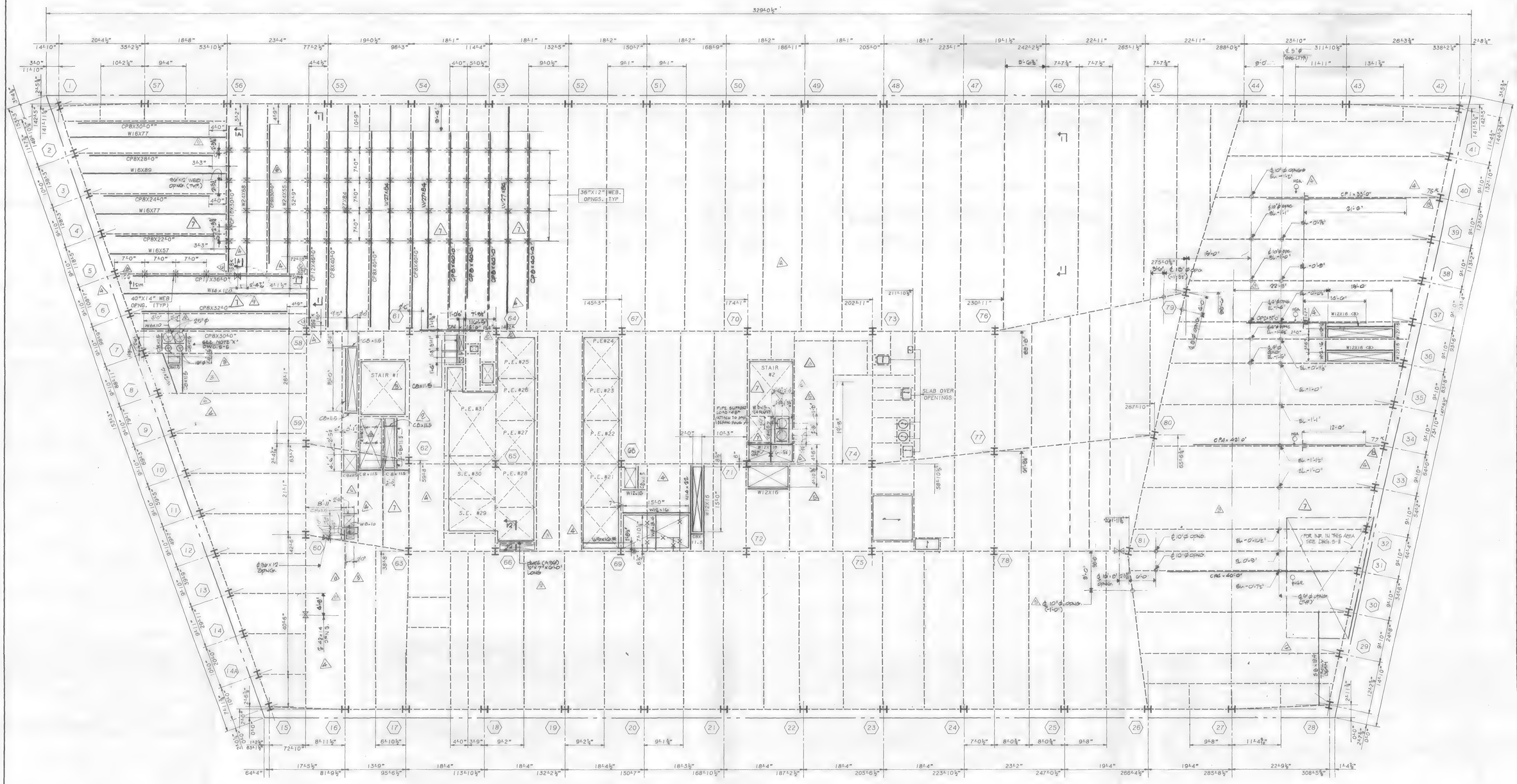
42ND FLOOR FRAMING PLAN

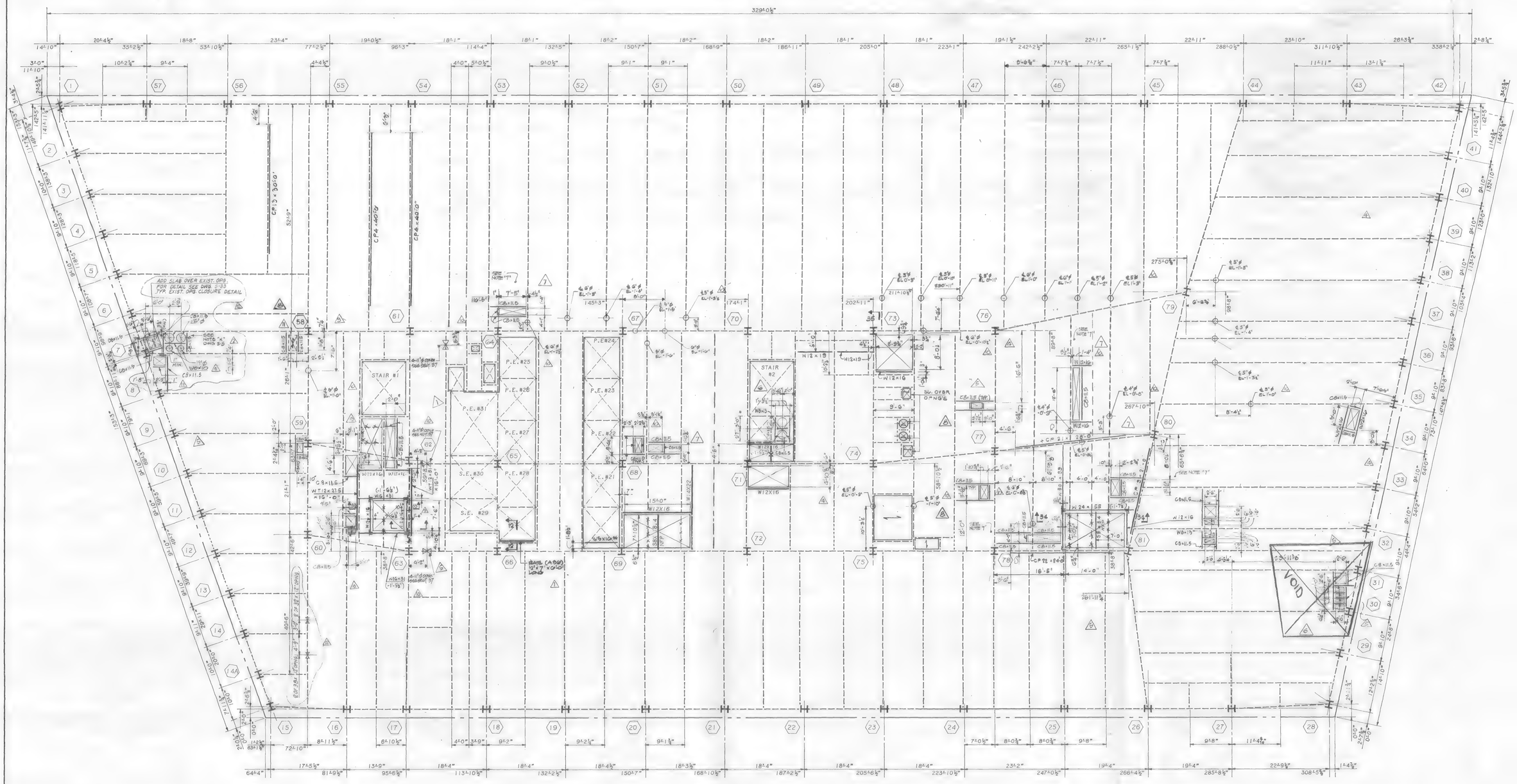
© Skidmore, Owings & Merrill 1988

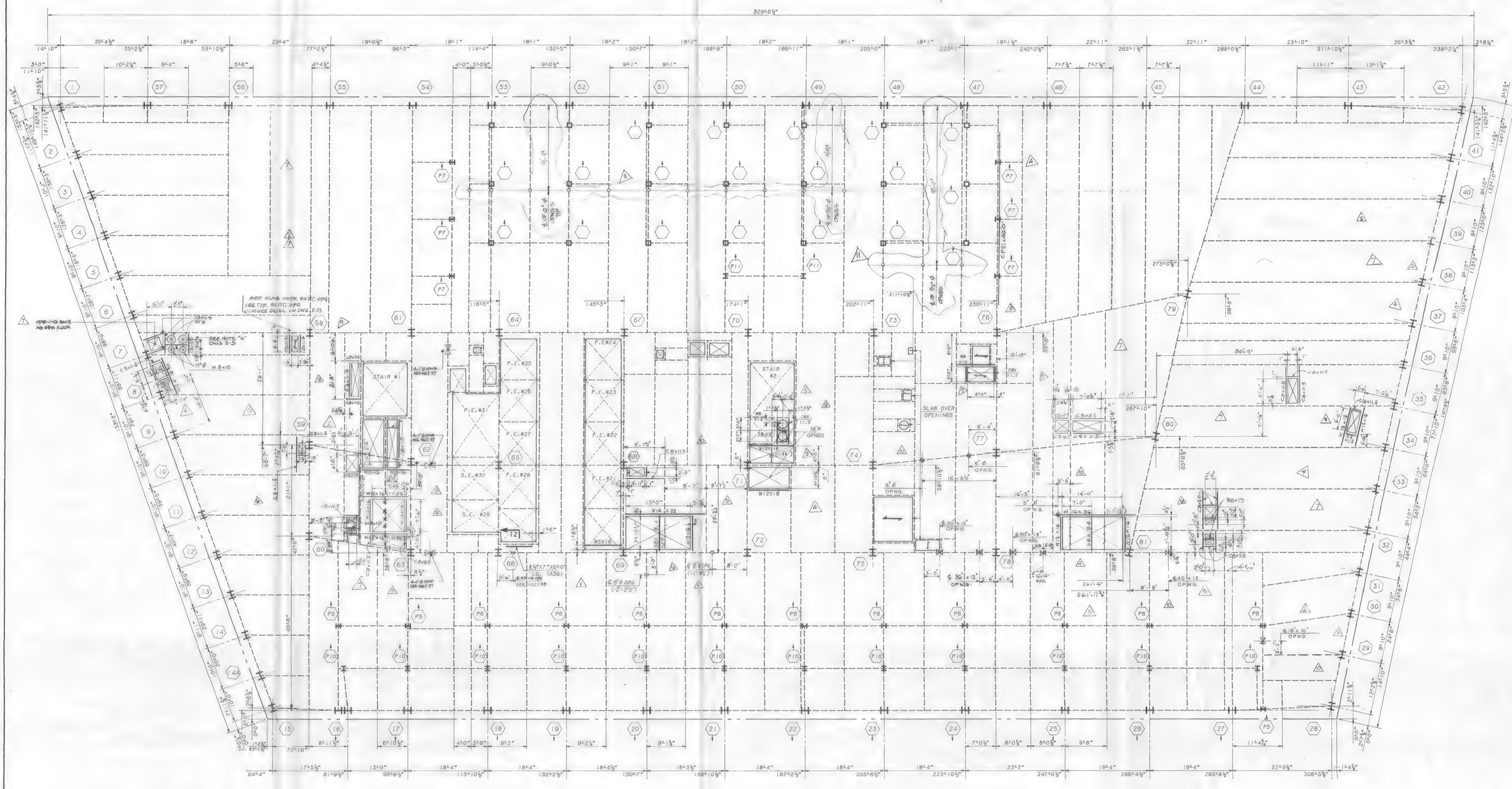
Project No:
Sheet No. S-17
Date:
Scale:

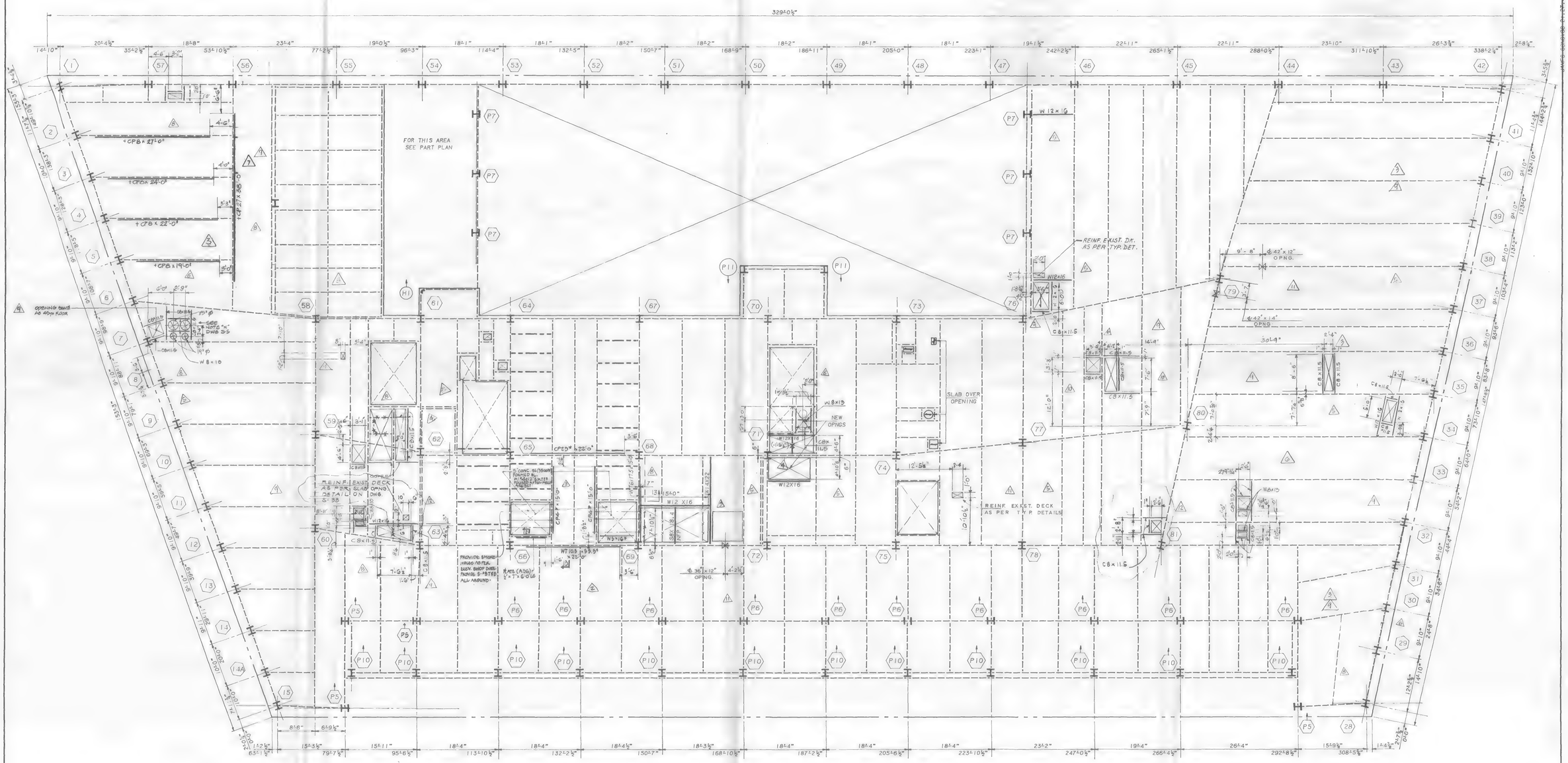
90057 S-17

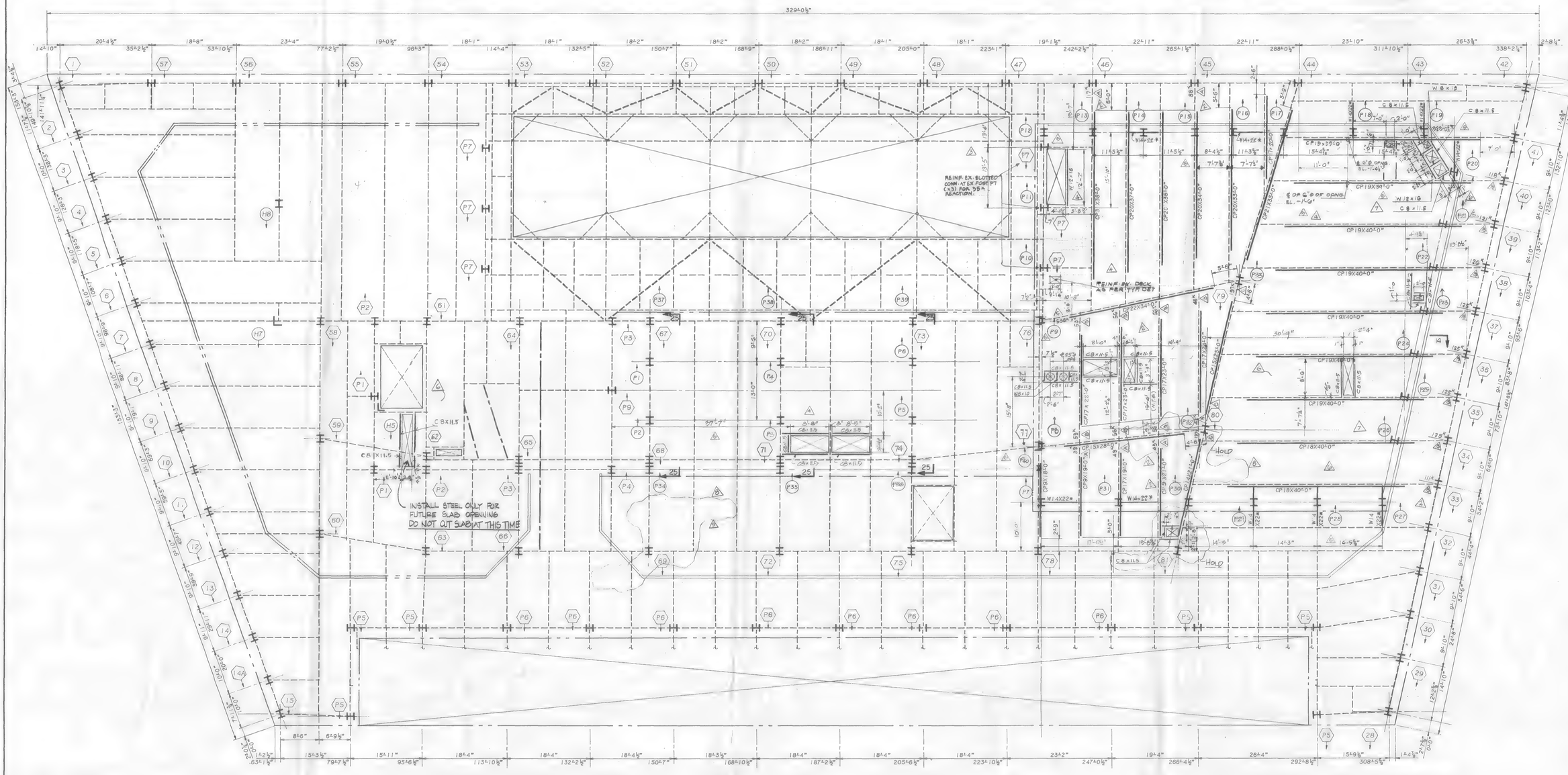

329'-0½"
W14X30
38"X12" WEB OPNGS.
W8X10
40"X4" WEB OPNG. (TYP)
STAIR #1
STAIR #2
SEE NOTE 1 DWG S-5
SEE ENG. DWG S-6
P.E.#24
P.E.#25
P.E.#26
P.E.#23
P.E.#31
P.E.#27
P.E.#22
P.E.#21
S.E.#30
P.E.#28
S.E.#29
W12X16
W12X19
W18X35
W18X40
W14X22
W14X26
W14X34
W14X30
W12X26
W12X14
W8X18
W8X15
W18X76
W18X86
W18X106
W18X130
W18X143
W18X158
W18X192
W18X211
W18X234
W18X258
W18X283
W18X311
W18X343
W18X384
W18X443
W18X486
W18X525
W18X589
W18X643
W18X702
W18X773
W18X864
W18X965
W18X1060
W18X1161
W18X1283
W18X1402
W18X1528
W18X1655
W18X1783
W18X1911
W18X2040
W18X2173
W18X2305
W18X2436
W18X2567
W18X2699
W18X2832
W18X2965
W18X3097
W18X3230
W18X3362
W18X3495
W18X3627
W18X3760
W18X3892
W18X4025
W18X4157
W18X4290
W18X4422
W18X4555
W18X4687
W18X4820
W18X4952
W18X5085
W18X5217
W18X5350
W18X5482
W18X5615
W18X5747
W18X5880
W18X6012
W18X6145
W18X6277
W18X6410
W18X6542
W18X6675
W18X6807
W18X6940
W18X7072
W18X7205
W18X7337
W18X7470
W18X7602
W18X7735
W18X7867
W18X8000

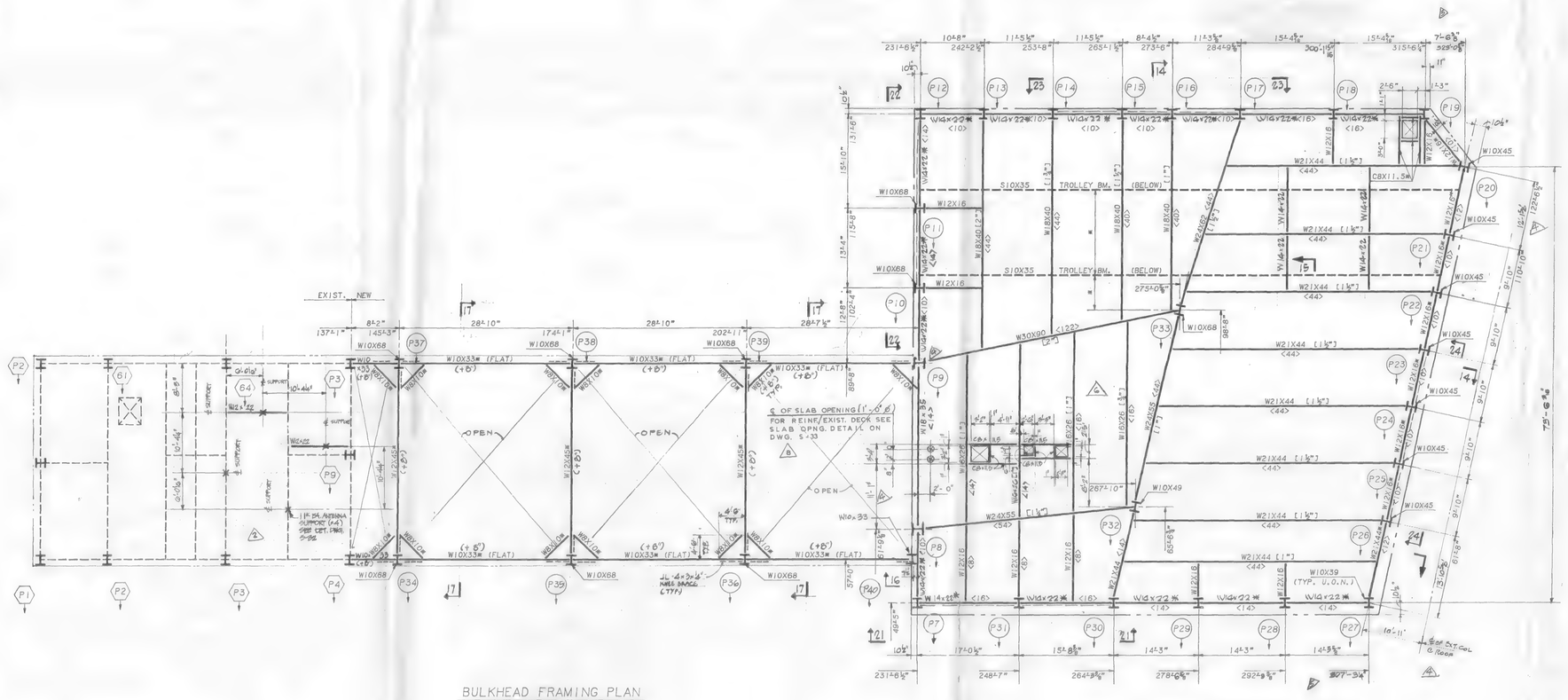

329'-0½"
36"X12" WEB OPNGS., TYP
40"X14" WEB OPNG. (TYP)
STAIR #1
STAIR #2
P.E.#24
P.E.#25
P.E.#26
P.E.#31
P.E.#27
P.E.#23
P.E.#22
P.E.#32
P.E.#30
P.E.#28
S.E. #29
SLAB OVER OPENINGS
PIPE SUPPORT LOAD=6K (ATTACH TO BM. USE ANG. BRACE FROM W)
BASE CASED OPNG. 9'-9" X 6'-0" LONG
FOR INF. IN THIS AREA SEE DWG. S-8
CPB30X30"
CPB28X40"
CPB24X40"
CPB22X40"
CPB32X40"
CPB40X40"
CP11X36"
CP1X35'-0"
CP6X43'-0"
W16X77
W16X89
W16X57
W16X10
W12X16
W8X10
W18X76
W14X82
W27X84
W21X68
W24X55
W30X90
W18X35
W10X49
W12X65
W18X40
W18X86
W18X46
W18X60
W18X71
W18X106
W18X119
W18X130
W18X143
W18X158
W18X175
W18X192
W18X211
W18X234
W18X258
W18X283
W18X311
W18X343
W18X375
W18X406
W18X443
W18X486
W18X527
W18X575
W18X619
W18X664
W18X716
W18X775
W18X833
W18X892
W18X971
W18X1046
W18X1130
W18X1205
W18X1284
W18X1370
W18X1453
W18X1528
W18X1618
W18X1705
W18X1797
W18X1892
W18X1988
W18X2087
W18X2192
W18X2300
W18X2414
W18X2530
W18X2653
W18X2778
W18X2911
W18X3048
W18X3192
W18X3343
W18X3502
W18X3668
W18X3842
W18X4024
W18X4214
W18X4414
W18X4624
W18X4844
W18X5076
W18X5320
W18X5577
W18X5848
W18X6134
W18X6436
W18X6756
W18X7095
W18X7455
W18X7838
W18X8246
W18X8682
W18X9148
W18X9648
W18X10186
W18X10766
W18X11392
W18X12070
W18X12806
W18X13606
W18X14478
W18X15430
W18X16472
W18X17616
W18X18876
W18X20268
W18X21812
W18X23530
W18X25446
W18X27588
W18X29988
W18X32680
W18X35700
W18X39088
W18X42888
W18X47144
W18X51900
W18X57200
W18X63100
W18X69600
W18X76800
W18X84800
W18X93600
W18X103300
W18X114000
W18X125800
W18X138800
W18X153200
W18X169100
W18X186700
W18X206200
W18X227800
W18X251700
W18X278100
W18X307300
W18X339600
W18X375200
W18X414400
W18X457600
W18X505200
W18X557800
W18X615800
W18X680600
W18X752600
W18X832200
W18X920000
W18X1017400
W18X1125000
W18X1244000
W18X1376000
W18X1523000
W18X1687000
W18X1870000
W18X2074000
W18X2302000
W18X2557000
W18X2843000
W18X3164000
W18X3525000
W18X3931000
W18X4388000
W18X4902000
W18X5480000
W18X6130000
W18X6860000
W18X7680000
W18X8600000
W18X9630000
W18X10790000
W18X12090000
W18X13550000
W18X15190000
W18X17040000
W18X19120000
W18X21460000
W18X24100000
W18X27080000
W18X30460000
W18X34300000
W18X38660000
W18X43600000
W18X49200000
W18X55500000
W18X62600000
W18X70600000
W18X79600000
W18X89700000
W18X101000000
W18X113900000
W18X128500000
W18X145000000
W18X163600000
W18X184600000
W18X208200000
W18X234900000
W18X265000000
W18X298900000
W18X336900000
W18X379600000
W18X427600000
W18X481600000
W18X542200000
W18X610000000
W18X686000000
W18X771000000
W18X866000000
W18X972000000
W18X1090000000
W18X1220000000
W18X1370000000
W18X1540000000
W18X1730000000
W18X1940000000
W18X2180000000
W18X2450000000
W18X2750000000
W18X3090000000
W18X3470000000
W18X3890000000
W18X4370000000
W18X4910000000
W18X5510000000
W18X6190000000
W18X6950000000
W18X7800000000
W18X8750000000
W18X9820000000
W18X11020000000
W18X12370000000
W18X13880000000
W18X15570000000
W18X17470000000
W18X19600000000
W18X21980000000
W18X24660000000
W18X27670000000
W18X31040000000
W18X34820000000
W18X39060000000
W18X43820000000
W18X49150000000
W18X55130000000
W18X61850000000
W18X69400000000
W18X77900000000
W18X87400000000
W18X98100000000
W18X110000000000
W18X123400000000
W18X138400000000
W18X155200000000
W18X174100000000
W18X195300000000
W18X219100000000
W18X245800000000
W18X275800000000
W18X309400000000
W18X347000000000
W18X389200000000
W18X436600000000
W18X489800000000
W18X549400000000
W18X616200000000
W18X691200000000
W18X775200000000
W18X869400000000
W18X974800000000
W18X1093000000000
W18X1225000000000
W18X1374000000000
W18X1541000000000
W18X1728000000000
W18X1938000000000
W18X2173000000000
W18X2437000000000
W18X2733000000000
W18X3065000000000
W18X3437000000000
W18X3854000000000
W18X4321000000000
W18X4845000000000
W18X5433000000000
W18X6092000000000
W18X6830000000000
W18X7660000000000
W18X8590000000000
W18X9630000000000
W18X10800000000000
W18X12110000000000
W18X13580000000000
W18X15230000000000
W18X17080000000000
W18X19150000000000
W18X21480000000000
W18X24090000000000
W18X27010000000000
W18X30290000000000
W18X33970000000000
W18X38090000000000
W18X42710000000000
W18X47890000000000
W18X53700000000000
W18X60210000000000
W18X67500000000000
W18X75670000000000
W18X84830000000000
W18X95100000000000
W18X106600000000000
W18X119500000000000
W18X134000000000000
W18X150200000000000
W18X168400000000000
W18X188800000000000
W18X211700000000000
W18X237400000000000
W18X266200000000000
W18X298400000000000
W18X334500000000000
W18X375000000000000
W18X420400000000000
W18X471200000000000
W18X528000000000000
W18X591900000000000
W18X663300000000000
W18X743500000000000
W18X833300000000000
W18X933900000000000
W18X1046000000000000
W18X1172000000000000
W18X1313000000000000
W18X1471000000000000
W18X1648000000000000
W18X1846000000000000
W18X2069000000000000
W18X2318000000000000
W18X2597000000000000
W18X2909000000000000
W18X3258000000000000
W18X3650000000000000
W18X4088000000000000
W18X4579000000000000
W18X5129000000000000
W18X5744000000000000
W18X6433000000000000
W18X7205000000000000
W18X8070000000000000
W18X9038000000000000
W18X10123000000000000
W18X11338000000000000
W18X12699000000000000
W18X14223000000000000
W18X15930000000000000
W18X17842000000000000
W18X19983000000000000
W18X22381000000000000
W18X25067000000000000
W18X28075000000000000
W18X31444000000000000
W18X35217000000000000
W18X39443000000000000
W18X44176000000000000
W18X49477000000000000
W18X55414000000000000
W18X62064000000000000
W18X69512000000000000
W18X77853000000000000
W18X87195000000000000
W18X97658000000000000
W18X109377000000000000
W18X122502000000000000
W18X137202000000000000
W18X153666000000000000
W18X172106000000000000
W18X192759000000000000
W18X215890000000000000
W18X241797000000000000
W18X270813000000000000
W18X303311000000000000
W18X339708000000000000
W18X380473000000000000
W18X426129000000000000
W18X477264000000000000
W18X534536000000000000
W18X598680000000000000
W18X670522000000000000
W18X750985000000000000
W18X841104000000000000
W18X942036000000000000
W18X1055080000000000000
W18X1181690000000000000
W18X1323493000000000000
W18X1482312000000000000
W18X1660189000000000000
W18X1859412000000000000
W18X2082541000000000000
W18X2332446000000000000
W18X2612340000000000000
W18X2925821000000000000
W18X3276919000000000000
W18X3670149000000000000
W18X4110567000000000000
W18X4603835000000000000
W18X5156295000000000000
W18X5774971000000000000
W18X6467667000000000000
W18X7243987000000000000
W18X8112466000000000000
W18X9085962000000000000
W18X10176278000000000000
W18X11397232000000000000
W18X12764900000000000000
W18X14296688000000000000
W18X16012291000000000000
W18X17933766000000000000
W18X20085218000000000000
W18X22495444000000000000
W18X25195897000000000000
W18X28219405000000000000
W18X31605734000000000000
W18X35398422000000000000
W18X39646233000000000000
W18X44403781000000000000
W18X49732235000000000000
W18X55700105000000000000
W18X62384118000000000000
W18X69870212000000000000
W18X78254637000000000000
W18X87645193000000000000
W18X98162616000000000000
W18X109942130000000000000
W18X123135185000000000000
W18X137911407000000000000
W18X154460776000000000000
W18X173036069000000000000
W18X193880397000000000000
W18X217226045000000000000
W18X243293170000000000000
W18X272408750000000000000
W18X305017800000000000000
W18X341619936000000000000
W18X382814328000000000000
W18X428352047000000000000
W18X479154292000000000000
W18X536252807000000000000
W18X600802744000000000000
W18X673099073000000000000
W18X754590962000000000000
W18X845941878000000000000
W18X947854904000000000000
W18X1061197493000000000000
W18X1188541192000000000000
W18X1331366135000000000000
W18X1491128471000000000000
W18X1670863688000000000000
W18X1871267331000000000000
W18X2095619411000000000000
W18X2346893738000000000000
W18X2628720587000000000000
W18X2944567057000000000000
W18X3298715103000000000000
W18X3695360915000000000000
W18X4138804225000000000000
W18X4634660732000000000000
W18X5190820020000000000000
W18X5813718422000000000000
W18X6511564633000000000000
W18X7292552589000000000000
W18X8167258900000000000000
W18X9147529968000000000000
W18X10245233564000000000000
W18X11474661792000000000000
W18X12851621207000000000000
W18X14393816152000000000000
W18X16120474090000000000000
W18X18054930981000000000000
W18X20221522699000000000000
W18X22648105423000000000000
W18X25365878074000000000000
W18X28409783443000000000000
W18X31819157456000000000000
W18X35637456551000000000000
W18X39913951337000000000000
W18X44703625498000000000000
W18X50067662558000000000000
W18X56075782265000000000000
W18X62804876137000000000000
W18X70341461273000000000000
W18X78782436626000000000000
W18X88236329021000000000000
W18X98824688504000000000000
W18X110683651324000000000000
W18X124005689483000000000000
W18X138990372221000000000000
W18X155868817088000000000000
W18X174892675139000000000000
W18X196339796156000000000000
W18X220524571694000000000000
W18X247806720297000000000000
W18X278598326733000000000000
W18X313374247141000000000000
W18X352681778398000000000000
W18X397154000446000000000000
W18X447525000502000000000000
W18X504644250565000000000000
W18X569488403638000000000000
W18X643189695100000000000000
W18X726960425313000000000000
W18X822234280353000000000000
W18X930680437799000000000000
W18X1053220895183000000000000
W18X1192305613307000000000000
W18X1350276234974000000000000
W18X1529555945121000000000000
W18X1732650719586000000000000
W18X1963322314433000000000000
W18X2225592622190000000000000
W18X2524000000000000000000000
W18X2863000000000000000000000
W18X3247000000000000000000000
W18X3683000000000000000000000
W18X4177000000000000000000000
W18X4736000000000000000000000
W18X5368000000000000000000000
W18X6083000000000000000000000
W18X6890000000000000000000000
W18X7810000000000000000000000
W18X8850000000000000000000000
W18X10030000000000000000000000
W18X11370000000000000000000000
W18X12880000000000000000000000
W18X14600000000000000000000000
W18X16550000000000000000000000
W18X18750000000000000000000000
W18X21250000000000000000000000
W18X24080000000000000000000000
W18X27290000000000000000000000
W18X30930000000000000000000000
W18X35060000000000000000000000
W18X39730000000000000000000000
W18X45010000000000000000000000
W18X50990000000000000000000000
W18X57770000000000000000000000
W18X65460000000000000000000000
W18X74180000000000000000000000
W18X84050000000000000000000000
W18X95230000000000000000000000
W18X107900000000000000000000000
W18X122300000000000000000000000
W18X138600000000000000000000000
W18X157000000000000000000000000
W18X177900000000000000000000000
W18X201500000000000000000000000
W18X228400000000000000000000000
W18X258800000000000000000000000
W18X293200000000000000000000000
W18X332100000000000000000000000
W18X376400000000000000000000000
W18X426500000000000000000000000
W18X483000000000000000000000000
W18X547300000000000000000000000
W18X620000000000000000000000000
W18X702500000000000000000000000
W18X795900000000000000000000000
W18X901600000000000000000000000
W18X1021000000000000000000000000
W18X1156000000000000000000000000
W18X1310000000000000000000000000
W18X1483000000000000000000000000
W18X1680000000000000000000000000
W18X1902000000000000000000000000
W18X2154000000000000000000000000
W18X2439000000000000000000000000
W18X2762000000000000000000000000
W18X3127000000000000000000000000
W18X3541000000000000000000000000
W18X4009000000000000000000000000
W18X4539000000000000000000000000
W18X5139000000000000000000000000
W18X5818000000000000000000000000
W18X6588000000000000000000000000
W18X7458000000000000000000000000
W18X8441000000000000000000000000
W18X9554000000000000000000000000
W18X10814000000000000000000000000
W18X12240000000000000000000000000
W18X13854000000000000000000000000
W18X15677000000000000000000000000
W18X17744000000000000000000000000
W18X20076000000000000000000000000
W18X22722000000000000000000000000
W18X25708000000000000000000000000
W18X29090000000000000000000000000
W18X32918000000000000000000000000
W18X37254000000000000000000000000
W18X42150000000000000000000000000
W18X47690000000000000000000000000
W18X53950000000000000000000000000
W18X61030000000000000000000000000
W18X69040000000000000000000000000
W18X78120000000000000000000000000
W18X88400000000000000000000000000
W18X100000000000000000000000000
W18X113200000000000000000000000000
W18X128100000000000000000000000000
W18X144900000000000000000000000000
W18X163900000000000000000000000000
W18X185400000000000000000000000000
W18X209700000000000000000000000000
W18X237200000000000000000000000000
W18X268400000000000000000000000000
W18X303700000000000000000000000000
W18X343500000000000000000000000000
W18X388600000000000000000000000000
W18X439500000000000000000000000000
W18X497300000000000000000000000000
W18X562600000000000000000000000000
W18X636500000000000000000000000000
W18X719900000000000000000000000000
W18X814200000000000000000000000000
W18X921000000000000000000000000000
W18X1041000000000000000000000000000
W18X1178000000000000000000000000000
W18X1332000000000000000000000000000
W18X1507000000000000000000000000000
W18X1704000000000000000000000000000
W18X1928000000000000000000000000000
W18X2180000000000000000000000000000
W18X2466000000000000000000000000000
W18X2789000000000000000000000000000
W18X3155000000000000000000000000000
W18X3568000000000000000000000000000
W18X4036000000000000000000000000000
W18X4564000000000000000000000000000
W18X5162000000000000000000000000000
W18X5839000000000000000000000000000
W18X6603000000000000000000000000000
W18X7468000000000000000000000000000
W18X8447000000000000000000000000000
W18X9550000000000000000000000000000
W18X10798000000000000000000000000000
W18X12208000000000000000000000000000
W18X13800000000000000000000000000000
W18X15608000000000000000000000000000
W18X17648000000000000000000000000000
W18X19952000000000000000000000000000
W18X22557000000000000000000000000000
W18X25500000000000000000000000000000
W18X28830000000000000000000000000000
W18X32600000000000000000000000000000
W18X36860000000000000000000000000000
W18X41680000000000000000000000000000
W18X47120000000000000000000000000000
W18X53280000000000000000000000000000
W18X60230000000000000000000000000000
W18X68100000000000000000000000000000
W18X76990000000000000000000000000000
W18X87040000000000000000000000000000
W18X98400000000000000000000000000000
W18X111300000000000000000000000000000
W18X125800000000000000000000000000000
W18X142300000000000000000000000000000
W18X160800000000000000000000000000000
W18X181800000000000000000000000000000
W18X205500000000000000000000000000000
W18X232400000000000000000000000000000
W18X262800000000000000000000000000000
W18X297200000000000000000000000000000
W18X336100000000000000000000000000000
W18X380000000000000000000000000000000
W18X429600000000000000000000000000000
W18X485700000000000000000000000000000
W18X549000000000000000000000000000000
W18X620800000000000000000000000000000
W18X701600000000000000000000000000000
W18X793200000000000000000000000000000
W18X896800000000000000000000000000000
W18X1013000000000000000000000000000000
W18X1145000000000000000000000000000000
W18X1294000000000000000000000000000000
W18X1463000000000000000000000000000000
W18X1653000000000000000000000000000000
W18X1868000000000000000000000000000000
W18X2111000000000000000000000000000000
W18X2386000000000000000000000000000000
W18X2696000000000000000000000000000000
W18X3047000000000000000000000000000000
W18X3443000000000000000000000000000000
W18X3892000000000000000000000000000000
W18X4398000000000000000000000000000000
W18X4971000000000000000000000000000000
W18X5617000000000000000000000000000000
W18X6347000000000000000000000000000000
W18X7172000000000000000000000000000000
W18X8103000000000000000000000000000000
W18X9156000000000000000000000000000000
W18X10346000000000000000000000000000000
W18X11690000000000000000000000000000000
W18X13210000000000000000000000000000000
W18X14925000000000000000000000000000000
W18X16864000000000000000000000000000000
W18X19052000000000000000000000000000000
W18X21527000000000000000000000000000000
W18X24324000000000000000000000000000000
W18X27485000000000000000000000000000000
W18X31060000000000000000000000000000000
W18X35102000000000000000000000000000000
W18X39670000000000000000000000000000000
W18X44833000000000000000000000000000000
W18X50664000000000000000000000000000000
W18X57246000000000000000000000000000000
W18X64672000000000000000000000000000000
W18X73048000000000000000000000000000000
W18X82490000000000000000000000000000000
W18X93128000000000000000000000000000000
W18X105200000000000000000000000000000000
W18X118900000000000000000000000000000000
W18X134300000000000000000000000000000000
W18X151800000000000000000000000000000000
W18X171500000000000000000000000000000000
W18X193800000000000000000000000000000000
W18X219000000000000000000000000000000000
W18X247500000000000000000000000000000000
W18X279800000000000000000000000000000000
W18X316200000000000000000000000000000000
W18X357400000000000000000000000000000000
W18X403900000000000000000000000000000000
W18X456500000000000000000000000000000000
W18X516000000000000000000000000000000000
W18X583200000000000000000000000000000000
W18X659000000000000000000000000000000000
W18X744900000000000000000000000000000000
W18X842000000000000000000000000000000000
W18X951800000000000000000000000000000000
W18X1075000000000000000000000000000000000
W18X1215000000000000000000000000000000000
W18X1373000000000000000000000000000000000
W18X1552000000000000000000000000000000000
W18X1753000000000000000000000000000000000
W18X1981000000000000000000000000000000000
W18X2239000000000000000000000000000000000
W18X2530000000000000000000000000000000000
W18X2859000000000000000000000000000000000
W18X3232000000000000000000000000000000000
W18X3652000000000000000000000000000000000
W18X4128000000000000000000000000000000000
W18X4666000000000000000000000000000000000
W18X5274000000000000000000000000000000000
W18X5959000000000000000000000000000000000
W18X6734000000000000000000000000000000000
W18X7610000000000000000000000000000000000
W18X8601000000000000000000000000000000000
W18X9718000000000000000000000000000000000
W18X10980000000000000000000000000000000000
W18X12406000000000000000000000000000000000
W18X14018000000000000000000000000000000000
W18X15839000000000000000000000000000000000
W18X17894000000000000000000000000000000000
W18X20217000000000000000000000000000000000
W18X22847000000000000000000000000000000000
W18X25820000000000000000000000000000000000
W18X29180000000000000000000000000000000000
W18X32980000000000000000000000000000000000
W18X37270000000000000000000000000000000000
W18X42120000000000000000000000000000000000
W18X47600000000000000000000000000000000000
W18X53790000000000000000000000000000000000
W18X60790000000000000000000000000000000000
W18X68710000000000000000000000000000000000
W18X77660000000000000000000000000000000000
W18X87780000000000000000000000000000000000
W18X99230000000000000000000000000000000000
W18X112200000000000000000000000000000000000
W18X126800000000000000000000000000000000000
W18X143300000000000000000000000000000000000
W18X161900000000000000000000000000000000000
W18X183000000000000000000000000000000000000
W18X206900000000000000000000000000000000000
W18X233900000000000000000000000000000000000
W18X264400000000000000000000000000000000000
W18X298900000000000000000000000000000000000
W18X337700000000000000000000000000000000000
W18X381800000000000000000000000000000000000
W18X431200000000000000000000000000000000000
W18X487200000000000000000000000000000000000
W18X550600000000000000000000000000000000000
W18X622300000000000000000000000000000000000
W18X703200000000000000000000000000000000000
W18X794600000000000000000000000000000000000
W18X898000000000000000000000000000000000000
W18X1015000000000000000000000000000000000000
W18X1147000000000000000000000000000000000000
W18X1297000000000000000000000000000000000000
W18X1466000000000000000000000000000000000000
W18X1657000000000000000000000000000000000000
W18X1873000000000000000000000000000000000000
W18X2117000000000000000000000000000000000000
W18X2393000000000000000000000000000000000000
W18X2705000000000000000000000000000000000000
W18X3057000000000000000000000000000000000000
W18X3455000000000000000000000000000000000000
W18X3905000000000000000000000000000000000000
W18X4413000000000000000000000000000000000000
W18X4988000000000000000000000000000000000000
W18X5637000000000000000000000000000000000000
W18X6372000000000000000000000000000000000000
W18X7200000000000000000000000000000000000000
W18X8137000000000000000000000000000000000000
W18X9196000000000000000000000000000000000000
W18X10390000000000000000000000000000000000000
W18X11741000000000000000000000000000000000000
W18X13268000000000000000000000000000000000000
W18X14994000000000000000000000000000000000000
W18X16945000000000000000000000000000000000000
W18X19149000000000000000000000000000000000000
W18X21639000000000000000000000000000000000000
W18X24453000000000000000000000000000000000000
W18X27634000000000000000000000000000000000000
W18X31230000000000000000000000000000000000000
W18X35296000000000000000000000000000000000000
W18X39894000000000000000000000000000000000000
W18X45091000000000000000000000000000000000000
W18X50962000000000000000000000000000000000000
W18X57590000000000000000000000000000000000000
W18X65070000000000000000000000000000000000000
W18X73514000000000000000000000000000000000000
W18X83050000000000000000000000000000000000000
W18X93824000000000000000000000000000000000000
W18X106000000000000000000000000000000000000000
W18X119800000000000000000000000000000000000000
W18X135400000000000000000000000000000000000000
W18X153000000000000000000000000000000000000000
W18X172900000000000000000000000000000000000000
W18X195400000000000000000000000000000000000000
W18X220800000000000000000000000000000000000000
W18X249500000000000000000000000000000000000000
W18X281900000000000000000000000000000000000000
W18X318600000000000000000000000000000000000000
W18X360000000000000000000000000000000000000000
W18X406800000000000000000000000000000000000000
W18X459900000000000000000000000000000000000000
W18X519900000000000000000000000000000000000000
W18X587500000000000000000000000000000000000000
W18X663800000000000000000000000000000000000000
W18X749900000000000000000000000000000000000000
W18X847300000000000000000000000000000000000000
W18X957600000000000000000000000000000000000000
W18X1082000000000000000000000000000000000000000
W18X1223000000000000000000000000000000000000000
W18X1382000000000000000000000000000000000000000
W18X1562000000000000000000000000000000000000000
W18X1765000000000000000000000000000000000000000
W18X1995000000000000000000000000000000000000000
W18X2255000000000000000000000000000000000000000
W18X2548000000000000000000000000000000000000000
W18X2879000000000000000000000000000000000000000
W18X3253000000000000000000000000000000000000000
W18X3676000000000000000000000000000000000000000
W18X4154000000000000000000000000000000000000000
W18X4694000000000000000000000000000000000000000
W18X5304000000000000000000000000000000000000000
W18X5994000000000000000000000000000000000000000
W18X6775000000000000000000000000000000000000000
W18X7656000000000000000000000000000000000000000
W18X8652000000000000000000000000000000000000000
W18X9778000000000000000000000000000000000000000
W18X11049000000000000000000000000000000000000000
W18X12486000000000000000000000000000000000000000
W18X14110000000000000000000000000000000000000000
W18X15944000000000000000000000000000000000000000
W18X18020000000000000000000000000000000000000000
W18X20377000000000000000000000000000000000000000
W18X23035000000000000000000000000000000000000000
W18X26040000000000000000000000000000000000000000
W18X29430000000000000000000000000000000000000000
W18X33260000000000000000000000000000000000000000
W18X37580000000000000000000000000000000000000000
W18X42460000000000000000000000000000000000000000
W18X47970000000000000000000000000000000000000000
W18X54200000000000000000000000000000000000000000
W18X61250000000000000000000000000000000000000000
W18X69220000000000000000000000000000000000000000
W18X78250000000000000000000000000000000000000000
W18X88450000000000000000000000000000000000000000
W18X99960000000000000000000000000000000000000000
W18X112900000000000000000000000000000000000000000
W18X127600000000000000000000000000000000000000000
W18X144200000000000000000000000000000000000000000
W18X162900000000000000000000000000000000000000000
W18X184100000000000000000000000000000000000000000
W18X208000000000000000000000000000000000000000000
W18X235100000000000000000000000000000000000000000
W18X265600000000000000000000000000000000000000000
W18X300100000000000000000000000000000000000000000
W18X339100000000000000000000000000000000000000000
W18X383200000000000000000000000000000000000000000
W18X433000000000000000000000000000000000000000000
W18X489400000000000000000000000000000000000000000
W18X553000000000000000000000000000000000000000000
W18X625000000000000000000000000000000000000000000
W18X706000000000000000000000000000000000000000000
W18X798000000000000000000000000000000000000000000
W18X902000000000000000000000000000000000000000000
W18X1019000000000000000000000000000000000000000000
W18X1152000000000000000000000000000000000000000000
W18X1302000000000000000000000000000000000000000000
W18X1472000000000000000000000000000000000000000000
W18X1664000000000000000000000000000000000000000000
W18X1880000000000000000000000000000000000000000000
W18X2125000000000000000000000000000000000000000000
W18X2402000000000000000000000000000000000000000000
W18X2715000000000000000000000000000000000000000000
W18X3069000000000000000000000000000000000000000000
W18X3469000000000000000000000000000000000000000000
W18X3921000000000000000000000000000000000000000000
W18X4431000000000000000000000000000000000000000000
W18X5008000000000000000000000000000000000000000000
W18X5662000000000000000000000000000000000000000000
W18X6400000000000000000000000000000000000000000000
W18X7236000000000000000000000000000000000000000000
W18X8179000000000000000000000000000000000000000000
W18X9244000000000000000000000000000000000000000000
W18X10449000000000000000000000000000000000000000000
W18X11812000000000000000000000000000000000000000000
W18X13353000000000000000000000000000000000000000000
W18X15095000000000000000000000000000000000000000000
W18X17062000000000000000000000000000000000000000000
W18X19284000000000000000000000000000000000000000000
W18X21794000000000000000000000000000000000000000000
W18X24633000000000000000000000000000000000000000000
W18X27844000000000000000000000000000000000000000000
W18X31475000000000000000000000000000000000000000000
W18X35584000000000000000000000000000000000000000000
W18X40230000000000000000000000000000000000000000000
W18X45485000000000000000000000000000000000000000000
W18X51424000000000000000000000000000000000000000000
W18X58134000000000000000000000000000000000000000000
W18X65710000000000000000000000000000000000000000000
W18X74260000000000000000000000000000000000000000000
W18X83900000000000000000000000000000000000000000000
W18X94770000000000000000000000000000000000000000000
W18X107000000000000000000000000000000000000000000000
W18X120900000000000000000000000000000000000000000000
W18X136600000000000000000000000000000000000000000000
W18X154400000000000000000000000000000000000000000000
W18X174500000000000000000000000000000000000000000000
W18X197200000000000000000000000000000000000000000000
W18X222800000000000000000000000000000000000000000000
W18X251800000000000000000000000000000000000000000000
W18X284600000000000000000000000000000000000000000000
W18X321700000000000000000000000000000000000000000000
W18X363500000000000000000000000000000000000000000000
W18X410800000000000000000000000000000000000000000000
W18X464200000000000000000000000000000000000000000000
W18X524800000000000000000000000000000000000000000000
W18X593200000000000000000000000000000000000000000000
W18X670500000000000000000000000000000000000000000000
W18X757900000000000000000000000000000000000000000000
W18X856400000000000000000000000000000000000000000000
W18X967900000000000000000000000000000000000000000000
W18X1093000000000000000000000000000000000000000000000
W18X1235000000000000000000000000000000000000000000000
W18X1396000000000000000000000000000000000000000000000
W18X1577000000000000000000000000000000000000000000000
W18X1782000000000000000000000000000000000000000000000
W18X2014000000000000000000000000000000000000000000000
W18X2276000000000000000000000000000000000000000000000
W18X2572000000000000000000000000000000000000000000000
W18X2907000000000000000000000000000000000000000000000
W18X3285000000000000000000000000000000000000000000000
W18X3713000000000000000000000000000000000000000000000
W18X4196000000000000000000000000000000000000000000000
W18X4742000000000000000000000000000000000000000000000
W18X5359000000000000000000000000000000000000000000000
W18X6056000000000000000000000000000000000000000000000
W18X6844000000000000000000000000000000000000000000000
W18X7733000000000000000000000000000000000000000000000
W18X8736000000000000000000000000000000000000000000000
W18X9869000000000000000000000000000000000000000000000
W18X11150000000000000000000000000000000000000000000000
W18X12599000000000000000000000000000000000000000000000
W18X14236000000000000000000000000000000000000000000000
W18X16084000000000000000000000000000000000000000000000
W18X18171000000000000000000000000000000000000000000000
W18X20534000000000000000000000000000000000000000000000
W18X23210000000000000000000000000000000000000000000000
W18X26240000000000000000000000000000000000000000000000
W18X29670000000000000000000000000000000000000000000000
W18X33550000000000000000000000000000000000000000000000
W18X37930000000000000000000000000000000000000000000000
W18X42870000000000000000000000000000000000000000000000
W18X48440000000000000000000000000000000000000000000000
W18X54720000000000000000000000000000000000000000000000
W18X61810000000000000000000000000000000000000000000000
W18X69830000000000000000000000000000000000000000000000
W18X78910000000000000000000000000000000000000000000000
W18X89200000000000000000000000000000000000000000000000
W18X100800000000000000000000000000000000000000000000000
W18X113900000000000000000000000000000000000000000000000
W18X128700000000000000000000000000000000000000000000000
W18X145400000000000000000000000000000000000000000000000
W18X164300000000000000000000000000000000000000000000000
W18X185700000000000000000000000000000000000000000000000
W18X209900000000000000000000000000000000000000000000000
W18X237200000000000000000000000000000000000000000000000
W18X268000000000000000000000000000000000000000000000000
W18X302900000000000000000000000000000000000000000000000
W18X342400000000000000000000000000000000000000000000000
W18X387000000000000000000000000000000000000000000000000
W18X437300000000000000000000000000000000000000000000000
W18X494300000000000000000000000000000000000000000000000
W18X558600000000000000000000000000000000000000000000000
W18X631400000000000000000000000000000000000000000000000
W18X713600000000000000000000000000000000000000000000000
W18X806200000000000000000000000000000000000000000000000
W18X911100000000000000000000000000000000000000000000000
W18X1029000000000000000000000000000000000000000000000000
W18X1163000000000000000000000000000000000000000000000000
W18X1314000000000000000000000000000000000000000000000000
W18X1485000000000000000000000000000000000000000000000000
W18X1678000000000000000000000000000000000000000000000000
W18X1896000000000000000000000000000000000000000000000000
W18X2142000000000000000000000000000000000000000000000000
W18X2420000000000000000000000000000000000000000000000000
W18X2735000000000000000000000000000000000000000000000000
W18X3091000000000000000000000000000000000000000000000000
W18X3493000000000000000000000000000000000000000000000000
W18X3947000000000000000000000000000000000000000000000000
W18X4460000000000000000000000000000000000000000000000000
W18X5040000000000000000000000000000000000000000000000000
W18X5695000000000000000000000000000000000000000000000000
W18X6434000000000000000000000000000000000000000000000000
W18X7270000000000000000000000000000000000000000000000000
W18X8214000000000000000000000000000000000000000000000000
W18X9283000000000000000000000000000000000000000000000000
W18X10488000000000000000000000000000000000000000000000000
W18X11850000000000000000000000000000000000000000000000000
W18X13390000000000000000000000000000000000000000000000000
W18X15132000000000000000000000000000000000000000000000000
W18X17100000000000000000000000000000000000000000000000000
W18X19322000000000000000000000000000000000000000000000000
W18X21833000000000000000000000000000000000000000000000000
W18X24672000000000000000000000000000000000000000000000000
W18X27883000000000000000000000000000000000000000000000000
W18X31514000000000000000000000000000000000000000000000000
W18X35623000000000000000000000000000000000000000000000000
W18X40269000000000000000000000000000000000000000000000000
W18X45524000000000000000000000000000000000000000000000000
W18X51463000000000000000000000000000000000000000000000000
W18X58173000000000000000000000000000000000000000000000000
W18X65749000000000000000000000000000000000000000000000000
W18X74299000000000000000000000000000000000000000000000000
W18X83939000000000000000000000000000000000000000000000000
W18X94809000000000000000000000000000000000000000000000000
W18X107000000000000000000000000000000000000000000000000000
W18X120900000000000000000000000000000000000000000000000000
W18X136600000000000000000000000000000000000000000000000000
W18X154400000000000000000000000000000000000000000000000000
W18X174500000000000000000000000000000000000000000000000000
W18X197200000000000000000000000000000000000000000000000000
W18X222800000000000000000000000000000000000000000000000000
W18X251800000000000000000000000000000000000000000000000000
W18X284600000000000000000000000000000000000000000000000000
W18X321700000000000000000000000000000000000000000000000000
W18X363500000000000000000000000000000000000000000000000000
W18X410800000000000000000000000000000000000000000000000000
W18X464200000000000000000000000000000000000000000000000000
W18X524800000000000000000000000000000000000000000000000000
W18X593200000000000000000000000000000000000000000000000000
W18X670500000000000000000000000000000000000000000000000000
W18X757900000000000000000000000000000000000000000000000000
W18X856400000000000000000000000000000000000000000000000000
W18X967900000000000000000000000000000000000000000000000000
W18X1093000000000000000000000000000000000000000000000000000
W18X1235000000000000000000000000000000000000000000000000000
W18X1396000000000000000000000000000000000000000000000000000
W18X1577000000000000000000000000000000000000000000000000000
W18X1782000000000000000000000000000000000000000000000000000
W18X2014000000000000000000000000000000000000000000000000000
W18X2276000000000000000000000000000000000000000000000000000
W18X2572000000000000000000000000000000000000000000000000000
W18X2907000000000000000000000000000000000000000000000000000
W18X3285000000000000000000000000000000000000000000000000000
W18X3713000000000000000000000000000000000000000000000000000
W18X4196000000000000000000000000000000000000000000000000000
W18X4742000000000000000000000000000000000000000000000000000
W18X5359000000000000000000000000000000000000000000000000000
W18X6056000000000000000000000000000000000000000000000000000
W18X6844000000000000000000000000000000000000000000000000000
W18X7733000000000000000000000000000000000000000000000000000
W18X8736000000000000000000000000000000000000000000000000000
W18X9869000000000000000000000000000000000000000000000000000
W18X11150000000000000000000000000000000000000000000000000000
W18X12599000000000000000000000000000000000000000000000000000
W18X14236000000000000000000000000000000000000000000000000000
W18X16084000000000000000000000000000000000000000000000000000
W18X18171000000000000000000000000000000000000000000000000000
W18X20534000000000000000000000000000000000000000000000000000
W18X23210000000000000000000000000000000000000000000000000000
W18X26240000000000000000000000000000000000000000000000000000
W18X29670000000000000000000000000000000000000000000000000000
W18X33550000000000000000000000000000000000000000000000000000
W18X37930000000000000000000000000000000000000000000000000000
W18X42870000000000000000000000000000000000000000000000000000
W18X48440000000000000000000000000000000000000000000000000000
W18X54720000000000000000000000000000000000000000000000000000
W18X61810000000000000000000000000000000000000000000000000000
W18X69830000000000000000000000000000000000000000000000000000
W18X78910000000000000000000000000000000000000000000000000000
W18X89200000000000000000000000000000000000000000000000000000
W18X100800000000000000000000000000000000000000000000000000000
W18X113900000000000000000000000000000000000000000000000000000
W18X128700000000000000000000000000000000000000000000000000000
W18X145400000000000000000000000000000000000000000000000000000
W18X164300000000000000000000000000000000000000000000000000000
W18X185700000000000000000000000000000000000000000000000000000
W18X209900000000000000000000000000000000000000000000000000000
W18X237200000000000000000000000000000000000000000000000000000
W18X268000000000000000000000000000000000000000000000000000000
W18X302900000000000000000000000000000000000000000000000000000
W18X342400000000000000000000000000000000000000000000000000000
W18X387000000000000000000000000000000000000000000000000000000
W18X437300000000000000000000000000000000000000000000000000000
W18X494300000000000000000000000000000000000000000000000000000
W18X558600000000000000000000000000000000000000000000000000000
W18X631400000000000000000000000000000000000000000000000000000
W18X713600000000000000000000000000000000000000000000000000000
W18X806200000000000000000000000000000000000000000000000000000
W18X911100000000000000000000000000000000000000000000000000000
W18X1029000000000000000000000000000000000000000000000000000000
W18X1163000000000000000000000000000000000000000000000000000000
W18X1314000000000000000000000000000000000000000000000000000000
W18X1485000000000000000000000000000000000000000000000000000000
W18X1678000000000000000000000000000000000000000000000000000000
W18X1896000000000000000000000000000000000000000000000000000000
W18X2142000000000000000000000000000000000000000000000000000000
W18X2


329'-0½"
ADD SLAB OVER EXIST. OPG. FOR DETAIL SEE DWG. S-33 TYP. EXIST. OPG. CLOSURE DETAIL
STAIR #1
STAIR #2
P.E.#24
P.E.#25
P.E.#26
P.E.#23
P.E.#27
P.E.#22
P.E.#31
P.E.#30
P.E.#28
P.E.#21
P.E.#29
CP13 x 30'-0"
CP4 x 40'-0"
CP6 x 40'-0"
W12X16
W18X35
W24X55
W8X15
W12X19
W12X14
W12X21
W12X44
W18X46
W18X40
W18X55
W18X50
W18X60
W18X65
W18X71
W18X76
W18X86
W18X97
W18X106
W18X119
W18X130
W18X143
W18X158
W18X175
W18X192
W18X211
W18X234
W18X258
W18X283
W18X311
W18X343
W18X375
W18X406
W18X443
W18X485
W18X528
W18X583
W18X643
W18X710
W18X786
W18X864
W18X952
W18X1046
W18X1144
W18X1255
W18X1378
W18X1510
W18X1655
W18X1819
W18X1999
W18X2194
W18X2414
W18X2650
W18X2912
W18X3198
W18X3513
W18X3859
W18X4242
W18X4662
W18X5122
W18X5630
W18X6189
W18X6802
W18X7478
W18X8222
W18X9040
W18X9938
W18X10926
W18X12012
W18X13208
W18X14524
W18X15973
W18X17570
W18X19327
W18X21260
W18X23386
W18X25725
W18X28297
W18X31127
W18X34240
W18X37664
W18X41430
W18X45573
W18X50130
W18X55143
W18X60657
W18X66723
W18X73395
W18X80734
W18X88807
W18X97688
W18X107457
W18X118203
W18X130023
W18X143025
W18X157327
W18X173060
W18X190366
W18X209403
W18X230343
W18X253377
W18X278715
W18X306586
W18X337245
W18X370970
W18X408067
W18X448874
W18X493761
W18X543137
W18X597451
W18X657196
W18X722916
W18X795208
W18X874729
W18X962202
W18X1058422
W18X1164264
W18X1280690
W18X1408759
W18X1549635
W18X1704598
W18X1875058
W18X2062564
W18X2268820
W18X2495702
W18X2745272
W18X3019799
W18X3321779
W18X3653957
W18X4019353
W18X4421288
W18X4863417
W18X5349759
W18X5884735
W18X6473209
W18X7120530
W18X7832583
W18X8615841
W18X9477425
W18X10425168
W18X11467685
W18X12614454
W18X13875899
W18X15263489
W18X16789838
W18X18468822
W18X20315704
W18X22347274
W18X24582001
W18X27040201
W18X29744221
W18X32718643
W18X35990507
W18X39589558
W18X43548514
W18X47903365
W18X52693701
W18X57963071
W18X63759378
W18X70135316
W18X77148847
W18X84863732
W18X93350105
W18X102685115
W18X112953626
W18X124249988
W18X136674986
W18X150342485
W18X165376733
W18X181914406
W18X200105847
W18X220116432
W18X242128075
W18X266340882
W18X292974970
W18X322272467
W18X354499714
W18X389949685
W18X428944654
W18X471839119
W18X519022931
W18X570925224
W18X628017746
W18X690819521
W18X759901473
W18X835891620
W18X919480782
W18X1011428860
W18X1112571746
W18X1223828921
W18X1346211813
W18X1480833000
W18X1628916300
W18X1791807930
W18X1970988723
W18X2168087595
W18X2384896355
W18X2623385991
W18X2885724590
W18X3174297049
W18X3491726754
W18X3840899430
W18X4224989373
W18X4647488310
W18X5112237141
W18X5623460855
W18X6185806941
W18X6804387635
W18X7484826398
W18X8233309038
W18X9056639942
W18X9962303936
W18X10958534329
W18X12054387762
W18X13259826538
W18X14585809192
W18X16044390111
W18X17648829122
W18X19413712034
W18X21355083237
W18X23490591561
W18X25839650717
W18X28423615789
W18X31265977368
W18X34392575105
W18X37831832616
W18X41614815877
W18X45776297465
W18X50353927212
W18X55389319933
W18X60928251926
W18X67021077119
W18X73723184831
W18X81095503314
W18X89205053645
W18X98125558999
W18X107938114899
W18X118731926389
W18X130605119028
W18X143665630931
W18X158032194024
W18X173835413426
W18X191218954769
W18X210340850246
W18X231374935271
W18X254512428798
W18X279963671678
W18X307960038846
W18X338756042731
W18X372631647004
W18X409894811704
W18X450884292875
W18X495972722163
W18X545569994379
W18X600126993817
W18X660139693199
W18X726153662519
W18X798769028771
W18X878645931648
W18X966510524813
W18X1063161577294
W18X1169477734824
W18X1286425508306
W18X1415068059137
W18X1556574864951
W18X1712232351446
W18X1883455586591
W18X2071801145250
W18X2278981259775
W18X2506879385753
W18X2757567324328
W18X3033324056761
W18X3336656462437
W18X3670322108681
W18X4037354319549
W18X4441089751504
W18X4885198726654
W18X5373718599320
W18X5911090459252
W18X6502199505177
W18X7152419455695
W18X7867661401265
W18X8654427541392
W18X9519870295531
W18X10471857325084
W18X11519043057592
W18X12670947363352
W18X13938042099688
W18X15331846309657
W18X16865031940623
W18X18551534134686
W18X20406687548154
W18X22447356302969
W18X24691091933266
W18X27160201126593
W18X29876221239252
W18X32863843363177
W18X36150227699495
W18X39765250469445
W18X43741775516389
W18X48115953067978
W18X52927548374776
W18X58220303212254
W18X64042333533479
W18X70446566886827
W18X77491223575510
W18X85240345933061
W18X93764380526367
W18X103140818578804
W18X113454900436684
W18X124800390480352
W18X137280429528387
W18X151008472481226
W18X166109319729349
W18X182720251702284
W18X200992276872512
W18X221091504559763
W18X243200654615739
W18X267520720077313
W18X294272792085044
W18X323700071293548
W18X356070078422903
W18X391677086265193
W18X430844794891712
W18X473929274380883
W18X521322201818971
W18X573454421999868
W18X630799864199855
W18X693879850619841
W18X763267835681825
W18X839594619250008
W18X923554081175009
W18X1015909489292510
W18X1117500438221761
W18X1229250482043937
W18X1352175530248331
W18X1487393083273164
W18X1636132391600480
W18X1799745630760528
W18X1979720193836581
W18X2177692213220239
W18X2395461434542263
W18X2635007577996489
W18X2898508335796138
W18X3188359169375752
W18X3507195086313328
W18X3857914594944661
W18X4243706054439127
W18X4668076659883040
W18X5134884325871344
W18X5648372758458478
W18X6213210034304326
W18X6834531037734759
W18X7517984141508235
W18X8269782555659059
W18X9096760811224965
W18X10006436892347462
W18X11007080581582208
W18X12107788639740429
W18X13318567503714472
W18X14650424254085919
W18X16115466679494511
W18X17727013347443962
W18X19499714682188358
W18X21449686150407194
W18X23594654765447914
W18X25954120242092705
W18X28549532266301975
W18X31404485492932172
W18X34544933942225389
W18X37999427336447928
W18X41799370070092721
W18X45979307077101993
W18X50577237784812192
W18X55634961563293412
W18X61198457719622753
W18X67318303491585028
W18X74050133840743530
W18X81455147224817883
W18X89600661947299671
W18X98560728141829638
W18X108416800955812602
W18X119258481051393862
W18X131184329156533248
W18X144302762072186573
W18X158733038279405230
W18X174606342107345753
W18X192066976317880328
W18X211273673949668361
W18X232401041344635197
W18X255641145479098717
W18X281205259026988589
W18X309325785929687448
W18X340258364522656193
W18X374284200974921812
W18X411712621072413993
W18X452883883179655393
W18X498172271497620932
W18X547989498647383025
W18X602788448512121328
W18X663067293363333460
W18X729373922699666806
W18X802311314969633487
W18X882542446466596836
W18X970796691113256520
W18X1067876360224582172
W18X1174663996247040389
W18X1292130395871744428
W18X1421343435458918871
W18X1563477778004810758
W18X1719825555805291834
W18X1891808111385821017
W18X2080988922524403119
W18X2289087814776843431
W18X2517996596254527774
W18X2769796255879980552
W18X3046775881467978608
W18X3351453469614776469
W18X3686598816576254116
W18X4055258698233879528
W18X4460784568057267481
W18X4906863024863194229
W18X5397549327349513652
W18X5937304260084465017
W18X6531034686092911519
W18X7184138154702202671
W18X7902552170172422938
W18X8692807387189665232
W18X9562088125908631756
W18X10518296938499494932
W18X11570126632349444425
W18X12727139295584388868
W18X13999853225142827755
W18X15399838547657110531
W18X16939822402422821584
W18X18633804642665103742
W18X20497185106931614116
W18X22546903617624775528
W18X24801593979387253081
W18X27281753377325978389
W18X30009928715058576228
W18X33010921586564433851
W18X36312013745220777236
W18X39943215119742854960
W18X43937536631717140456
W18X48331290294888854502
W18X53164419324377739952
W18X58480861256815513948
W18X64328947382497065343
W18X70761842120746771877
W18X77838026332821449065
W18X85621828966103593972
W18X94184011862713953369
W18X103602413048985348706
W18X113962654353883883577
W18X125358919789272271935
W18X137894811768199499128
W18X151684292944819449041
W18X166852722239301393945
W18X183538994463231533340
W18X201892894109554686674
W18X222082183520510155341
W18X244290401872561170875
W18X268719442059817287962
W18X295591386265799016758
W18X325150524892378918434
W18X357665577381616810277
W18X393432135119778491305
W18X432775348631756340435
W18X476052883494931974479
W18X523658171844425171927
W18X576023988028867689120
W18X633626386831754457032
W18X697989025514929902735
W18X768687928066422893009
W18X846356720873065182309
W18X931692392960371700540
W18X1025461632256408870594
W18X1128007795482049757653
W18X1240808575030254733418
W18X1364889432533280206760
W18X1501378375786608227436
W18X1651516213365268850180
W18X1816667834701795735198
W18X1998334618171975308718
W18X2198168079989172839590
W18X2417984887988090123549
W18X2659783376786899135904
W18X2925761714465589049494
W18X3218337885912147954443
W18X3540171674503362749887
W18X3894188841953699024876
W18X4283607726149068927364
W18X4711968498763975820100
W18X5183165348640373402110
W18X5701481883504410742321
W18X6271630071854851816553
W18X6898793079040336998208
W18X7588672386944370697829
W18X8347539625638807767612
W18X9182293588202688544373
W18X10100522947022957398810
W18X11110575241725253138691
W18X12221632765897778452560
W18X13443796042487556297816
W18X14788175646736311927598
W18X16266993211409943120358
W18X17893692532550937432394
W18X19683061785806031175633
W18X21651367964386634293196
W18X23816504760825297722516
W18X26198155236907827494768
W18X28817970760598610244245
W18X31699767836658471268669
W18X34869744620324318395536
W18X38356719082356750235090
W18X42192390990592425258599
W18X46411630089651667784459
W18X51052793098616834562905
W18X56157072408478517969196
W18X61768779649326369766116
W18X67935657614258806742728
W18X74709223375684687417001
W18X82144145713253155158701
W18X90298560284578470674571
W18X99235416313036317741028
W18X109021957944339949515131
W18X119730153738773944466644
W18X131436169112651338913309
W18X144221785823916472804640
W18X158174964406308120085104
W18X173389460846938932093614
W18X189965406931632825302975
W18X208010947624796107833272
W18X227642042387275718616599
W18X249982246625803290478259
W18X275164471288383619526085
W18X303331918417222181478693
W18X334638110258944399626562
W18X369247921284838839589218
W18X407338713413322723548140
W18X449101584754655196402954
W18X494741743230120715643249
W18X544479917553132787207574
W18X598552909308446065928331
W18X657214000239290672521164
W18X720733400263219739773280
W18X789398574289541713750608
W18X863515031718495885125669
W18X943408333890345473638236
W18X1029423666679379820001859
W18X1121928033347317802181045
W18X1221312436682049582379139
W18X1328000032350254540616052
W18X1442350035585280094677657
W18X1564757039143808104145423
W18X1695648443058188914559965
W18X1835485287364007805615962
W18X1984766816100408586177558
W18X2144030497710449444795314
W18X2313855547481485389274845
W18X2494866102229633928202330
W18X2687731712452597321022563
W18X2893167883697857053124819
W18X3111939172067645758637301
W18X3344861685274438127568085
W18X3592804853796082737445689
W18X3856693339175890516820264
W18X4137508673089701555406284
W18X4436289283396671710844911
W18X4754132154246174833906304
W18X5092194499263387624701499
W18X5451694139219196704500000
W18X5833911829963140000000000
W18X6239191559000000000000000
W18X6668933000000000000000000
W18X7124592000000000000000000
W18X7607680000000000000000000
W18X8119768000000000000000000
W18X8662488000000000000000000
W18X9237536000000000000000000
W18X9846664000000000000000000
W18X10491664000000000000000000
W18X11174384000000000000000000
W18X11896736000000000000000000
W18X12660672000000000000000000
W18X13468192000000000000000000
W18X14321344000000000000000000
W18X15222208000000000000000000
W18X16172928000000000000000000
W18X17175680000000000000000000
W18X18232704000000000000000000
W18X19346304000000000000000000
W18X20518784000000000000000000
W18X21752448000000000000000000
W18X23049600000000000000000000
W18X24412544000000000000000000
W18X25843584000000000000000000
W18X27345024000000000000000000
W18X28919168000000000000000000
W18X30568320000000000000000000
W18X32294784000000000000000000
W18X34100864000000000000000000
W18X35988864000000000000000000
W18X37961088000000000000000000
W18X40019840000000000000000000
W18X42167424000000000000000000
W18X44406144000000000000000000
W18X46738304000000000000000000
W18X49166208000000000000000000
W18X51692160000000000000000000
W18X54318464000000000000000000
W18X57047424000000000000000000
W18X59881344000000000000000000
W18X62822528000000000000000000
W18X65873280000000000000000000
W18X69035904000000000000000000
W18X72312704000000000000000000
W18X75705984000000000000000000
W18X79218048000000000000000000
W18X82851200000000000000000000
W18X86607744000000000000000000
W18X90489984000000000000000000
W18X94500224000000000000000000
W18X98640768000000000000000000
W18X102913920000000000000000000
W18X107321984000000000000000000
W18X111867264000000000000000000
W18X116552064000000000000000000
W18X121378688000000000000000000
W18X126349440000000000000000000
W18X131466624000000000000000000
W18X136732544000000000000000000
W18X142149504000000000000000000
W18X147719808000000000000000000
W18X153445760000000000000000000
W18X159329664000000000000000000
W18X165373824000000000000000000
W18X171580544000000000000000000
W18X177952128000000000000000000
W18X184490880000000000000000000
W18X191199104000000000000000000
W18X198079104000000000000000000
W18X205133184000000000000000000
W18X212363648000000000000000000
W18X219772800000000000000000000
W18X227362944000000000000000000
W18X235136384000000000000000000
W18X243095424000000000000000000
W18X251242368000000000000000000
W18X259579520000000000000000000
W18X268109184000000000000000000
W18X276833664000000000000000000
W18X285755264000000000000000000
W18X294876288000000000000000000
W18X304199040000000000000000000
W18X313725824000000000000000000
W18X323458944000000000000000000
W18X333400704000000000000000000
W18X343553408000000000000000000
W18X353919360000000000000000000
W18X364500864000000000000000000
W18X375300224000000000000000000
W18X386319744000000000000000000
W18X397561728000000000000000000
W18X409028480000000000000000000
W18X420722304000000000000000000
W18X432645504000000000000000000
W18X444800384000000000000000000
W18X457189248000000000000000000
W18X469814400000000000000000000
W18X482678144000000000000000000
W18X495782784000000000000000000
W18X509130624000000000000000000
W18X522723968000000000000000000
W18X536564160000000000000000000
W18X550653504000000000000000000
W18X564994304000000000000000000
W18X579588864000000000000000000
W18X594439488000000000000000000
W18X609548544000000000000000000
W18X624918336000000000000000000
W18X640551168000000000000000000
W18X656449344000000000000000000
W18X672615168000000000000000000
W18X689050944000000000000000000
W18X705759104000000000000000000
W18X722741952000000000000000000
W18X740001792000000000000000000
W18X757540928000000000000000000
W18X775361664000000000000000000
W18X793466304000000000000000000
W18X811857152000000000000000000
W18X830536512000000000000000000
W18X849506688000000000000000000
W18X868769984000000000000000000
W18X888328704000000000000000000
W18X908185152000000000000000000
W18X928341632000000000000000000
W18X948800448000000000000000000
W18X969563904000000000000000000
W18X990634304000000000000000000
W18X1012013952000000000000000000
W18X1033705152000000000000000000
W18X1055710208000000000000000000
W18X1078031424000000000000000000
W18X1100671104000000000000000000
W18X1123631552000000000000000000
W18X1146915072000000000000000000
W18X1170524160000000000000000000
W18X1194461184000000000000000000
W18X1218728448000000000000000000
W18X1243328256000000000000000000
W18X1268262912000000000000000000
W18X1293534720000000000000000000
W18X1319146496000000000000000000
W18X1345100544000000000000000000
W18X1371399168000000000000000000
W18X1398044672000000000000000000
W18X1425039360000000000000000000
W18X1452385536000000000000000000
W18X1480085504000000000000000000
W18X1508141568000000000000000000
W18X1536556032000000000000000000
W18X1565331200000000000000000000
W18X1594469376000000000000000000
W18X1623972864000000000000000000
W18X1653844992000000000000000000
W18X1684088064000000000000000000
W18X1714704384000000000000000000
W18X1745697280000000000000000000
W18X1777069056000000000000000000
W18X1808822016000000000000000000
W18X1840958464000000000000000000
W18X1873481728000000000000000000
W18X1906395136000000000000000000
W18X1939701888000000000000000000
W18X1973405312000000000000000000
W18X2007508736000000000000000000
W18X2042015488000000000000000000
W18X2076928896000000000000000000
W18X2112251264000000000000000000
W18X2147986944000000000000000000
W18X2184139264000000000000000000
W18X2220711552000000000000000000
W18X2257707136000000000000000000
W18X2295129344000000000000000000
W18X2332981504000000000000000000
W18X2371266944000000000000000000
W18X2409989504000000000000000000
W18X2449152512000000000000000000
W18X2488759296000000000000000000
W18X2528813184000000000000000000
W18X2569317504000000000000000000
W18X2610275584000000000000000000
W18X2651690752000000000000000000
W18X2693566336000000000000000000
W18X2735905664000000000000000000
W18X2778712064000000000000000000
W18X2821988864000000000000000000
W18X2865739392000000000000000000
W18X2909966976000000000000000000
W18X2954674944000000000000000000
W18X2999866624000000000000000000
W18X3045545344000000000000000000
W18X3091714560000000000000000000
W18X3138377728000000000000000000
W18X3185538176000000000000000000
W18X3233199232000000000000000000
W18X3281364224000000000000000000
W18X3330036480000000000000000000
W18X3379219328000000000000000000
W18X3428916096000000000000000000
W18X3479130112000000000000000000
W18X3529864704000000000000000000
W18X3581123200000000000000000000
W18X3632908928000000000000000000
W18X3685225216000000000000000000
W18X3738075392000000000000000000
W18X3791462784000000000000000000
W18X3845390720000000000000000000
W18X3899862528000000000000000000
W18X3954881536000000000000000000
W18X4010451072000000000000000000
W18X4066574464000000000000000000
W18X4123255040000000000000000000
W18X4180496128000000000000000000
W18X4238301056000000000000000000
W18X4296673152000000000000000000
W18X4355615744000000000000000000
W18X4415132160000000000000000000
W18X4475225728000000000000000000
W18X4535899776000000000000000000
W18X4597157632000000000000000000
W18X4659002624000000000000000000
W18X4721438080000000000000000000
W18X4784467328000000000000000000
W18X4848093696000000000000000000
W18X4912320512000000000000000000
W18X4977151104000000000000000000
W18X5042588800000000000000000000
W18X5108636928000000000000000000
W18X5175298816000000000000000000
W18X5242577792000000000000000000
W18X5310477184000000000000000000
W18X5379000320000000000000000000
W18X5448150528000000000000000000
W18X5517931136000000000000000000
W18X5588345472000000000000000000
W18X5659396864000000000000000000
W18X5731088640000000000000000000
W18X5803424128000000000000000000
W18X5876407680000000000000000000
W18X5950042624000000000000000000
W18X6024332288000000000000000000
W18X6099280000000000000000000000
W18X6174889088000000000000000000
W18X6251162880000000000000000000
W18X6328104704000000000000000000
W18X6405717888000000000000000000
W18X6484005760000000000000000000
W18X6562971648000000000000000000
W18X6642618880000000000000000000
W18X6722950784000000000000000000
W18X6803970688000000000000000000
W18X6885682944000000000000000000
W18X6968090880000000000000000000
W18X7051196928000000000000000000
W18X7135004416000000000000000000
W18X7219516672000000000000000000
W18X7304737024000000000000000000
W18X7390668800000000000000000000
W18X7477315328000000000000000000
W18X7564679936000000000000000000
W18X7652766976000000000000000000
W18X7741579776000000000000000000
W18X7831121664000000000000000000
W18X7921396992000000000000000000
W18X8012409088000000000000000000
W18X8104161280000000000000000000
W18X8196657920000000000000000000
W18X8289902336000000000000000000
W18X8383897856000000000000000000
W18X8478647808000000000000000000
W18X8574155520000000000000000000
W18X8670425344000000000000000000
W18X8767460608000000000000000000
W18X8865264640000000000000000000
W18X8963841792000000000000000000
W18X9063195392000000000000000000
W18X9163328768000000000000000000
W18X9264246272000000000000000000
W18X9365949184000000000000000000
W18X9468440832000000000000000000
W18X9571726592000000000000000000
W18X9675808768000000000000000000
W18X9780692736000000000000000000
W18X9886382848000000000000000000
W18X9992882432000000000000000000
W18X10100195840000000000000000000
W18X10208326528000000000000000000
W18X10317278720000000000000000000
W18X10427056768000000000000000000
W18X10537665024000000000000000000
W18X10649107840000000000000000000
W18X10761389568000000000000000000
W18X10874514560000000000000000000
W18X10988487168000000000000000000
W18X11103311744000000000000000000
W18X11218992640000000000000000000
W18X11335534208000000000000000000
W18X11452940800000000000000000000
W18X11571216768000000000000000000
W18X11690366464000000000000000000
W18X11810394240000000000000000000
W18X11931304448000000000000000000
W18X12053101440000000000000000000
W18X12175789568000000000000000000
W18X12299373184000000000000000000
W18X12423856640000000000000000000
W18X12549244288000000000000000000
W18X12675540480000000000000000000
W18X12802749568000000000000000000
W18X12930875904000000000000000000
W18X13059923840000000000000000000
W18X13189897728000000000000000000
W18X13320801920000000000000000000
W18X13452640768000000000000000000
W18X13585418624000000000000000000
W18X13719139840000000000000000000
W18X13853808768000000000000000000
W18X13989429760000000000000000000
W18X14126008320000000000000000000
W18X14263548928000000000000000000
W18X14402055936000000000000000000
W18X14541533696000000000000000000
W18X14681986560000000000000000000
W18X14823418880000000000000000000
W18X14965835008000000000000000000
W18X15109239296000000000000000000
W18X15253636096000000000000000000
W18X15399029760000000000000000000
W18X15545424640000000000000000000
W18X15692825088000000000000000000
W18X15841235456000000000000000000
W18X15990660096000000000000000000
W18X16141104384000000000000000000
W18X16292572672000000000000000000
W18X16445069312000000000000000000
W18X16598599680000000000000000000
W18X16753168128000000000000000000
W18X16908779776000000000000000000
W18X17065439104000000000000000000
W18X17223150464000000000000000000
W18X17381918208000000000000000000
W18X17541747712000000000000000000
W18X17702643328000000000000000000
W18X17864609408000000000000000000
W18X18027650304000000000000000000
W18X18191770368000000000000000000
W18X18356973952000000000000000000
W18X18523265408000000000000000000
W18X18690649984000000000000000000
W18X18859132032000000000000000000
W18X19028715904000000000000000000
W18X19199405952000000000000000000
W18X19371206528000000000000000000
W18X19544121984000000000000000000
W18X19718156672000000000000000000
W18X19893314944000000000000000000
W18X20069601152000000000000000000
W18X20247019648000000000000000000
W18X20425574784000000000000000000
W18X20605270912000000000000000000
W18X20786112384000000000000000000
W18X20968103552000000000000000000
W18X21151248768000000000000000000
W18X21335552384000000000000000000
W18X21521018752000000000000000000
W18X21707652224000000000000000000
W18X21895457152000000000000000000
W18X22084437888000000000000000000
W18X22274598784000000000000000000
W18X22465944192000000000000000000
W18X22658478464000000000000000000
W18X22852205952000000000000000000
W18X23047131008000000000000000000
W18X23243257984000000000000000000
W18X23440591232000000000000000000
W18X23639135104000000000000000000
W18X23838893952000000000000000000
W18X24039872128000000000000000000
W18X24242073984000000000000000000
W18X24445503872000000000000000000
W18X24650166144000000000000000000
W18X24856065152000000000000000000
W18X25063205248000000000000000000
W18X25271590784000000000000000000
W18X25481226112000000000000000000
W18X25692115584000000000000000000
W18X25904263552000000000000000000
W18X26117674368000000000000000000
W18X26332352384000000000000000000
W18X26548301952000000000000000000
W18X26765527424000000000000000000
W18X26984033152000000000000000000
W18X27203823488000000000000000000
W18X27424902784000000000000000000
W18X27647275392000000000000000000
W18X27870945664000000000000000000
W18X28095917952000000000000000000
W18X28322196608000000000000000000
W18X28549785984000000000000000000
W18X28778690432000000000000000000
W18X29008914304000000000000000000
W18X29240461952000000000000000000
W18X29473337728000000000000000000
W18X29707546944000000000000000000
W18X29943093952000000000000000000
W18X30179983104000000000000000000
W18X30418218752000000000000000000
W18X30657805184000000000000000000
W18X30898746752000000000000000000
W18X31141047808000000000000000000
W18X31384712704000000000000000000
W18X31629745792000000000000000000
W18X31876151424000000000000000000
W18X32123933952000000000000000000
W18X32373097728000000000000000000
W18X32623647104000000000000000000
W18X32875586432000000000000000000
W18X33128920064000000000000000000
W18X33383652352000000000000000000
W18X33639787648000000000000000000
W18X33897330304000000000000000000
W18X34156284672000000000000000000
W18X34416655104000000000000000000
W18X34678445952000000000000000000
W18X34941661568000000000000000000
W18X35206306304000000000000000000
W18X35472384512000000000000000000
W18X35739900544000000000000000000
W18X36008858752000000000000000000
W18X36279263488000000000000000000
W18X36551119104000000000000000000
W18X36824429952000000000000000000
W18X37099200384000000000000000000
W18X37375435648000000000000000000
W18X37653140096000000000000000000
W18X37932318080000000000000000000
W18X38212973952000000000000000000
W18X38495112064000000000000000000
W18X38778736768000000000000000000
W18X39063852416000000000000000000
W18X39350463360000000000000000000
W18X39638573952000000000000000000
W18X39928188544000000000000000000
W18X40219311488000000000000000000
W18X40511947136000000000000000000
W18X40806099840000000000000000000
W18X41101773952000000000000000000
W18X41398973824000000000000000000
W18X41697703808000000000000000000
W18X41997968256000000000000000000
W18X42299771520000000000000000000
W18X42603118944000000000000000000
W18X42908015872000000000000000000
W18X43214466688000000000000000000
W18X43522475776000000000000000000
W18X43832047488000000000000000000
W18X44143186176000000000000000000
W18X44455896192000000000000000000
W18X44770182912000000000000000000
W18X45086050688000000000000000000
W18X45403504896000000000000000000
W18X45722549888000000000000000000
W18X46043190016000000000000000000
W18X46365429632000000000000000000
W18X46689273088000000000000000000
W18X47014724736000000000000000000
W18X47341789952000000000000000000
W18X47670473088000000000000000000
W18X48000778496000000000000000000
W18X48332711424000000000000000000
W18X48666276224000000000000000000
W18X49001477248000000000000000000
W18X49338318848000000000000000000
W18X49676805376000000000000000000
W18X50016941184000000000000000000
W18X50358730624000000000000000000
W18X50702178048000000000000000000
W18X51047287808000000000000000000
W18X51394064256000000000000000000
W18X51742511744000000000000000000
W18X52092634624000000000000000000
W18X52444437248000000000000000000
W18X52797923968000000000000000000
W18X53153099136000000000000000000
W18X53509967104000000000000000000
W18X53868532224000000000000000000
W18X54228798848000000000000000000
W18X54590771328000000000000000000
W18X54954454016000000000000000000
W18X55319851264000000000000000000
W18X55686967424000000000000000000
W18X56055807744000000000000000000
W18X56426376576000000000000000000
W18X56798678272000000000000000000
W18X57172717184000000000000000000
W18X57548497664000000000000000000
W18X57926024064000000000000000000
W18X58305300736000000000000000000
W18X58686332032000000000000000000
W18X59069122304000000000000000000
W18X59453675904000000000000000000
W18X59839997184000000000000000000
W18X60228090496000000000000000000
W18X60617960192000000000000000000
W18X61009610624000000000000000000
W18X61403046144000000000000000000
W18X61798271104000000000000000000
W18X62195289856000000000000000000
W18X62594106752000000000000000000
W18X62994726144000000000000000000
W18X63397152384000000000000000000
W18X63801389824000000000000000000
W18X64207442816000000000000000000
W18X64615315712000000000000000000
W18X65025013760000000000000000000
W18X65436541312000000000000000000
W18X65849903616000000000000000000
W18X66265105024000000000000000000
W18X66682150784000000000000000000
W18X67101046272000000000000000000
W18X67521796736000000000000000000
W18X67944406528000000000000000000
W18X68368880896000000000000000000
W18X68795224192000000000000000000
W18X69223441664000000000000000000
W18X69653538560000000000000000000
W18X70085519232000000000000000000
W18X70519388928000000000000000000
W18X70955152896000000000000000000
W18X71392816384000000000000000000
W18X71832383744000000000000000000
W18X72273860224000000000000000000
W18X72717251072000000000000000000
W18X73162560512000000000000000000
W18X73609793792000000000000000000
W18X74058956160000000000000000000
W18X74510052864000000000000000000
W18X74963089152000000000000000000
W18X75418070272000000000000000000
W18X75875001472000000000000000000
W18X76333887744000000000000000000
W18X76794734336000000000000000000
W18X77257546496000000000000000000
W18X77722329472000000000000000000
W18X78189088512000000000000000000
W18X78657828864000000000000000000
W18X79128555776000000000000000000
W18X79601274496000000000000000000
W18X80075990272000000000000000000
W18X80552708352000000000000000000
W18X81031433984000000000000000000
W18X81512172416000000000000000000
W18X81994928896000000000000000000
W18X82479708672000000000000000000
W18X82966517504000000000000000000
W18X83455360640000000000000000000
W18X83946243328000000000000000000
W18X84439170816000000000000000000
W18X84934148352000000000000000000
W18X85431181184000000000000000000
W18X85930274560000000000000000000
W18X86431433728000000000000000000
W18X86934664192000000000000000000
W18X87439971328000000000000000000
W18X87947364352000000000000000000
W18X88456848384000000000000000000
W18X88968428672000000000000000000
W18X89482110464000000000000000000
W18X89997899008000000000000000000
W18X90515799552000000000000000000
W18X91035818240000000000000000000
W18X91557961216000000000000000000
W18X92082233728000000000000000000
W18X92608643072000000000000000000
W18X93137194496000000000000000000
W18X93667893248000000000000000000
W18X94200744576000000000000000000
W18X94735753728000000000000000000
W18X95272926976000000000000000000
W18X95812269568000000000000000000
W18X96353786752000000000000000000
W18X96897483776000000000000000000
W18X97443365888000000000000000000
W18X97991438336000000000000000000
W18X98541706368000000000000000000
W18X99094175232000000000000000000
W18X99648850176000000000000000000
W18X100205736448000000000000000000
W18X100764839296000000000000000000
W18X101326163968000000000000000000
W18X101889715712000000000000000000
W18X102455499776000000000000000000
W18X103023521408000000000000000000
W18X103593785856000000000000000000
W18X104166298368000000000000000000
W18X104741064192000000000000000000
W18X105318088576000000000000000000
W18X105897376768000000000000000000
W18X106478934016000000000000000000
W18X107062765568000000000000000000
W18X107648876544000000000000000000
W18X108237272192000000000000000000
W18X108827958784000000000000000000
W18X109420941568000000000000000000
W18X110016225792000000000000000000
W18X110613816576000000000000000000
W18X111213719040000000000000000000
W18X111815938304000000000000000000
W18X112420479488000000000000000000
W18X113027348736000000000000000000
W18X113636551168000000000000000000
W18X114248091904000000000000000000
W18X114861976064000000000000000000
W18X115478208768000000000000000000
W18X116096795136000000000000000000
W18X116717740288000000000000000000
W18X117341050368000000000000000000
W18X117966730496000000000000000000
W18X118594785792000000000000000000
W18X119225222400000000000000000000
W18X119858045440000000000000000000
W18X120493259968000000000000000000
W18X121130870016000000000000000000
W18X121770881792000000000000000000
W18X122413300480000000000000000000
W18X123058131328000000000000000000
W18X123705378560000000000000000000
W18X124355047424000000000000000000
W18X125007143168000000000000000000
W18X125661670912000000000000000000
W18X126318635776000000000000000000
W18X126978043136000000000000000000
W18X127639898112000000000000000000
W18X128304206080000000000000000000
W18X128970972160000000000000000000
W18X129640201472000000000000000000
W18X130311899136000000000000000000
W18X130986070272000000000000000000
W18X131662720000000000000000000000
W18X132341853440000000000000000000
W18X133023475712000000000000000000
W18X133707592192000000000000000000
W18X134394208256000000000000000000
W18X135083329024000000000000000000
W18X135774959616000000000000000000
W18X136469105152000000000000000000
W18X137165770752000000000000000000
W18X137864961536000000000000000000
W18X138566682624000000000000000000
W18X139270939136000000000000000000
W18X139977736192000000000000000000
W18X140687078912000000000000000000
W18X141398972416000000000000000000
W18X142113421824000000000000000000
W18X142830432256000000000000000000
W18X143550008832000000000000000000
W18X144272156672000000000000000000
W18X144996881920000000000000000000
W18X145724189696000000000000000000
W18X146454085120000000000000000000
W18X147186573312000000000000000000
W18X147921659392000000000000000000
W18X148659348480000000000000000000
W18X149399645696000000000000000000
W18X150142556160000000000000000000
W18X150888085888000000000000000000
W18X151636239872000000000000000000
W18X152387023232000000000000000000
W18X153140441088000000000000000000
W18X153896498560000000000000000000
W18X154655200768000000000000000000
W18X155416552832000000000000000000
W18X156180559872000000000000000000
W18X156947227008000000000000000000
W18X157716559360000000000000000000
W18X158488562048000000000000000000
W18X159263240192000000000000000000
W18X160040598912000000000000000000
W18X160820643328000000000000000000
W18X161603378560000000000000000000
W18X162388809728000000000000000000
W18X163176941952000000000000000000
W18X163967780352000000000000000000
W18X164761330048000000000000000000
W18X165557596160000000000000000000
W18X166356583808000000000000000000
W18X167158297088000000000000000000
W18X167962741120000000000000000000
W18X168769921024000000000000000000
W18X169579841792000000000000000000
W18X170392508544000000000000000000
W18X171207926400000000000000000000
W18X172026100480000000000000000000
W18X172847035904000000000000000000
W18X173670737792000000000000000000
W18X174497211264000000000000000000
W18X175326461440000000000000000000
W18X176158493440000000000000000000
W18X176993312384000000000000000000
W18X177830923392000000000000000000
W18X178671331584000000000000000000
W18X179514542080000000000000000000
W18X180360559872000000000000000000
W18X181209390080000000000000000000
W18X182061037824000000000000000000
W18X182915508224000000000000000000
W18X183772806400000000000000000000
W18X184632937472000000000000000000
W18X185495906560000000000000000000
W18X186361718784000000000000000000
W18X187230379264000000000000000000
W18X188101893120000000000000000000
W18X188976265472000000000000000000
W18X189853501440000000000000000000
W18X190733606144000000000000000000
W18X191616584704000000000000000000
W18X192502442240000000000000000000
W18X193391183872000000000000000000
W18X194282814720000000000000000000
W18X195177339904000000000000000000
W18X196074764544000000000000000000
W18X196975093760000000000000000000
W18X197878332672000000000000000000
W18X198784486400000000000000000000
W18X199693560064000000000000000000
W18X200605558784000000000000000000
W18X201520487680000000000000000000
W18X202438351872000000000000000000
W18X203359156480000000000000000000
W18X204282906624000000000000000000
W18X205209607424000000000000000000
W18X206139263040000000000000000000
W18X207071878656000000000000000000
W18X208007459456000000000000000000
W18X208946011648000000000000000000
W18X209887539456000000000000000000
W18X210832048128000000000000000000
W18X211779542784000000000000000000
W18X212730028544000000000000000000
W18X213683510528000000000000000000
W18X214639993856000000000000000000
W18X215599483648000000000000000000
W18X216561985024000000000000000000
W18X217527503104000000000000000000
W18X218496043008000000000000000000
W18X219467609856000000000000000000
W18X220442208768000000000000000000
W18X221419844864000000000000000000
W18X222400523264000000000000000000
W18X223384249088000000000000000000
W18X224371026432000000000000000000
W18X225360860416000000000000000000
W18X226353756160000000000000000000
W18X227349718784000000000000000000
W18X228348753408000000000000000000
W18X229350865152000000000000000000
W18X230356059136000000000000000000
W18X231364340480000000000000000000
W18X232375714304000000000000000000
W18X233390185728000000000000000000
W18X234407759872000000000000000000
W18X235428441856000000000000000000
W18X236452236928000000000000000000
W18X237479150208000000000000000000
W18X238509186816000000000000000000
W18X239542351872000000000000000000
W18X240578650496000000000000000000
W18


329'-0½"
OPENING BMS AD 68TH FLOOR
ADD'D SLAB OVER EXIST. OPG SEE TYP. EXIST. OPG CLOSURE DETAIL ON DWG. S-33
SEE NOTE "X" DWG S-5
STAIR #1
STAIR #2
P.E.#24
P.E.#25
P.E.#26
P.E.#27
P.E.#28
P.E.#29
P.E.#30
P.E.#31
P.E.#23
P.E.#22
P.E.#21
S.E.#30
S.E.#29
SLAB OVER OPENINGS
NEW OPNGS
W12X16
W8X10
W14X22
W5X16
W8X13
W16X36
CP21x400
CP21x450
CP21x500
CB11.5
CB8x11.5
6'Ø OPNG.
5'Ø OPNG.
4'-6"x10" OPNG.
$30"x12" OPNG.
$36"x12" OPNG.
$40"x12" OPNG.
14'-0" x 7'-0" OPNG.
W.G.K. 36
W.G.K. 48
W.G.K. 16
W.G.K. 24
W.G.K. 30
W.G.K. 32
W.G.K. 40
W.G.K. 44
W.G.K. 48
W.G.K. 52
W.G.K. 56
W.G.K. 60
W.G.K. 64
W.G.K. 68
W.G.K. 72
W.G.K. 76
W.G.K. 80
W.G.K. 84
W.G.K. 88
W.G.K. 92
W.G.K. 96
W.G.K. 100
W.G.K. 104
W.G.K. 108
W.G.K. 112
W.G.K. 116
W.G.K.


FOR THIS AREA SEE PART PLAN
REINF. EXIST. DK. AS PER TYP. DET.
SLAB OVER OPENING
REINF EXIST. DECK AS PER TYP DETAILS
NEW OPNGS
OPENING CAN BE 40sq FT. ANY WHERE ON FLOOR
PROVIDE 8"HIGH CONC. CURB AROUND EDGE OF OPNG.
PROVIDE 8"HIGH METAL EDGE, SHOP DWG. PAINTED, 6'-8"ST'D. ALL AROUND
REINF EXIST DECK AS PER TYP DETAIL S-98 ON DWG.
SEE NOTE 5 ON DWG S-5
CONC SLAB FORMED BY 1½" DEEP COMPOSITE STEEL DECK
PLATE (A36) ½" x 7" x 6'-0" LG
W12 X16
W8X13
W8 X10
W10 X 22
W8X18
W5X16
C8X11.5
C8X13
C9X13.4
C9X15
C10X15.3
C12X20.7
C12X25
W18X35
W24X55
W30X90
W36X150
W40X167
W40X199
W44X230
W44X262
W14X22
W14X26
W14X30
W14X34
W14X38
W14X43
W14X48
W14X53
W14X61
W14X68
W14X74
W14X82
W14X90
W14X99
W14X109
W14X120
W14X132
W14X145
W14X159
W14X176
W14X193
W14X211
W14X233
W14X257
W14X283
W14X311
W14X342
W14X370
W14X398
W14X426
W14X455
W14X500
W14X550
W14X605
W14X665
W14X730
W14X808
W14X873
W14X932
W14X1000
W14X1082
W14X1176
W14X1269
W14X1370
W14X1500
W14X1627
W14X1730
W14X1850
W14X1982
W14X2113
W14X2257
W14X2398
W14X2539
W14X2676
W14X2809
W14X2936
W14X3061
W14X3176
W14X3287
W14X3394
W14X3500
W14X3605
W14X3711
W14X3818
W14X3926
W14X4033
W14X4145
W14X4257
W14X4370
W14X4482
W14X4605
W14X4730
W14X4859
W14X4992
W14X5132
W14X5279
W14X5432
W14X5592
W14X5759
W14X5932
W14X6113
W14X6301
W14X6496
W14X6699
W14X6910
W14X7129
W14X7356
W14X7592
W14X7836
W14X8089
W14X8351
W14X8622
W14X8902
W14X9191
W14X9489
W14X9796
W14X10112
W14X10438
W14X10773
W14X11118
W14X11472
W14X11836
W14X12210
W14X12594
W14X12988
W14X13392
W14X13806
W14X14230
W14X14664
W14X15109
W14X15564
W14X16030
W14X16506
W14X16993
W14X17491
W14X18000
W14X18520
W14X19051
W14X19593
W14X20146
W14X20710
W14X21285
W14X21871
W14X22468
W14X23076
W14X23695
W14X24325
W14X24966
W14X25618
W14X26281
W14X26955
W14X27640
W14X28336
W14X29043
W14X29761
W14X30490
W14X31230
W14X31981
W14X32743
W14X33516
W14X34300
W14X35095
W14X35901
W14X36718
W14X37546
W14X38385
W14X39235
W14X40096
W14X40968
W14X41851
W14X42745
W14X43650
W14X44566
W14X45493
W14X46431
W14X47380
W14X48340
W14X49311
W14X50293
W14X51286
W14X52290
W14X53305
W14X54331
W14X55368
W14X56416
W14X57475
W14X58545
W14X59626
W14X60718
W14X61821
W14X62935
W14X64060
W14X65196
W14X66343
W14X67501
W14X68670
W14X69850
W14X71041
W14X72243
W14X73456
W14X74680
W14X75915
W14X77161
W14X78418
W14X79686
W14X80965
W14X82255
W14X83556
W14X84868
W14X86191
W14X87525
W14X88870
W14X90226
W14X91593
W14X92971
W14X94360
W14X95760
W14X97171
W14X98593
W14X100026
W14X101470
W14X102925
W14X104391
W14X105868
W14X107356
W14X108855
W14X110365
W14X111886
W14X113418
W14X114961
W14X116515
W14X118080
W14X119656
W14X121243
W14X122841
W14X124450
W14X126070
W14X127701
W14X129343
W14X130996
W14X132660
W14X134335
W14X136021
W14X137718
W14X139426
W14X141145
W14X142875
W14X144616
W14X146368
W14X148131
W14X149905
W14X151690
W14X153486
W14X155293
W14X157111
W14X158940
W14X160780
W14X162631
W14X164493
W14X166366
W14X168250
W14X170145
W14X172051
W14X173968
W14X175896
W14X177835
W14X179785
W14X181746
W14X183718
W14X185701
W14X187695
W14X189700
W14X191716
W14X193743
W14X195781
W14X197830
W14X199890
W14X201961
W14X204043
W14X206136
W14X208240
W14X210355
W14X212481
W14X214618
W14X216766
W14X218925
W14X221095
W14X223276
W14X225468
W14X227671
W14X229885
W14X232110
W14X234346
W14X236593
W14X238851
W14X241120
W14X243400
W14X245691
W14X247993
W14X250306
W14X252630
W14X254965
W14X257311
W14X259668
W14X262036
W14X264415
W14X266805
W14X269206
W14X271618
W14X274041
W14X276475
W14X278920
W14X281376
W14X283843
W14X286321
W14X288810
W14X291310
W14X293821
W14X296343
W14X298876
W14X301420
W14X303975
W14X306541
W14X309118
W14X311706
W14X314305
W14X316915
W14X319536
W14X322168
W14X324811
W14X327465
W14X330130
W14X332806
W14X335493
W14X338191
W14X340900
W14X343620
W14X346351
W14X349093
W14X351846
W14X354610
W14X357385
W14X360171
W14X362968
W14X365776
W14X368595
W14X371425
W14X374266
W14X377118
W14X379981
W14X382855
W14X385740
W14X388636
W14X391543
W14X394461
W14X397390
W14X400330
W14X403281
W14X406243
W14X409216
W14X412200
W14X415195
W14X418201
W14X421218
W14X424246
W14X427285
W14X430335
W14X433396
W14X436468
W14X439551
W14X442645
W14X445750
W14X448866
W14X451993
W14X455131
W14X458280
W14X461440
W14X464611
W14X467793
W14X470986
W14X474190
W14X477405
W14X480631
W14X483868
W14X487116
W14X490375
W14X493645
W14X496926
W14X500218
W14X503521
W14X506835
W14X510160
W14X513496
W14X516843
W14X520201
W14X523570
W14X526950
W14X530341
W14X533743
W14X537156
W14X540580
W14X544015
W14X547461
W14X550918
W14X554386
W14X557865
W14X561355
W14X564856
W14X568368
W14X571891
W14X575425
W14X578970
W14X582526
W14X586093
W14X589671
W14X593260
W14X596860
W14X600471
W14X604093
W14X607726
W14X611370
W14X615025
W14X618691
W14X622368
W14X626056
W14X629755
W14X633465
W14X637186
W14X640918
W14X644661
W14X648415
W14X652180
W14X655956
W14X659743
W14X663541
W14X667350
W14X671170
W14X675001
W14X678843
W14X682696
W14X686560
W14X690435
W14X694321
W14X698218
W14X702126
W14X706045
W14X709975
W14X713916
W14X717868
W14X721831
W14X725805
W14X729790
W14X733786
W14X737793
W14X741811
W14X745840
W14X749880
W14X753931
W14X757993
W14X762066
W14X766150
W14X770245
W14X774351
W14X778468
W14X782596
W14X786735
W14X790885
W14X795046
W14X799218
W14X803401
W14X807595
W14X811800
W14X816016
W14X820243
W14X824481
W14X828730
W14X832990
W14X837261
W14X841543
W14X845836
W14X850140
W14X854455
W14X858781
W14X863118
W14X867466
W14X871825
W14X876195
W14X880576
W14X884968
W14X889371
W14X893785
W14X898210
W14X902646
W14X907093
W14X911551
W14X916020
W14X920500
W14X924991
W14X929493
W14X934006
W14X938530
W14X943065
W14X947611
W14X952168
W14X956736
W14X961315
W14X965905
W14X970506
W14X975118
W14X979741
W14X984375
W14X989020
W14X993676
W14X998343
W14X1003021
W14X1007710
W14X1012410
W14X1017121
W14X1021843
W14X1026576
W14X1031320
W14X1036075
W14X1040841
W14X1045618
W14X1050406
W14X1055205
W14X1060015
W14X1064836
W14X1069668
W14X1074511
W14X1079365
W14X1084230
W14X1089106
W14X1093993
W14X1098891
W14X1103800
W14X1108720
W14X1113651
W14X1118593
W14X1123546
W14X1128510
W14X1133485
W14X1138471
W14X1143468
W14X1148476
W14X1153495
W14X1158525
W14X1163566
W14X1168618
W14X1173681
W14X1178755
W14X1183840
W14X1188936
W14X1194043
W14X1199161
W14X1204290
W14X1209430
W14X1214581
W14X1219743
W14X1224916
W14X1230100
W14X1235295
W14X1240501
W14X1245718
W14X1250946
W14X1256185
W14X1261435
W14X1266696
W14X1271968
W14X1277251
W14X1282545
W14X1287850
W14X1293166
W14X1298493
W14X1303831
W14X1309180
W14X1314540
W14X1319911
W14X1325293
W14X1330686
W14X1336090
W14X1341505
W14X1346931
W14X1352368
W14X1357816
W14X1363275
W14X1368745
W14X1374226
W14X1379718
W14X1385221
W14X1390735
W14X1396260
W14X1401796
W14X1407343
W14X1412901
W14X1418470
W14X1424050
W14X1429641
W14X1435243
W14X1440856
W14X1446480
W14X1452115
W14X1457761
W14X1463418
W14X1469086
W14X1474765
W14X1480455
W14X1486156
W14X1491868
W14X1497591
W14X1503325
W14X1509070
W14X1514826
W14X1520593
W14X1526371
W14X1532160
W14X1537960
W14X1543771
W14X1549593
W14X1555426
W14X1561270
W14X1567125
W14X1572991
W14X1578868
W14X1584756
W14X1590655
W14X1596565
W14X1602486
W14X1608418
W14X1614361
W14X1620315
W14X1626280
W14X1632256
W14X1638243
W14X1644241
W14X1650250
W14X1656270
W14X1662301
W14X1668343
W14X1674396
W14X1680460
W14X1686535
W14X1692621
W14X1698718
W14X1704826
W14X1710945
W14X1717075
W14X1723216
W14X1729368
W14X1735531
W14X1741705
W14X1747890
W14X1754086
W14X1760293
W14X1766511
W14X1772740
W14X1778980
W14X1785231
W14X1791493
W14X1797766
W14X1804050
W14X1810345
W14X1816651
W14X1822968
W14X1829296
W14X1835635
W14X1841985
W14X1848346
W14X1854718
W14X1861101
W14X1867495
W14X1873900
W14X1880316
W14X1886743
W14X1893181
W14X1899630
W14X1906090
W14X1912561
W14X1919043
W14X1925536
W14X1932040
W14X1938555
W14X1945081
W14X1951618
W14X1958166
W14X1964725
W14X1971295
W14X1977876
W14X1984468
W14X1991071
W14X1997685
W14X2004310
W14X2010946
W14X2017593
W14X2024251
W14X2030920
W14X2037600
W14X2044291
W14X2050993
W14X2057706
W14X2064430
W14X2071165
W14X2077911
W14X2084668
W14X2091436
W14X2098215
W14X2105005
W14X2111806
W14X2118618
W14X2125441
W14X2132275
W14X2139120
W14X2145976
W14X2152843
W14X2159721
W14X2166610
W14X2173510
W14X2180421
W14X2187343
W14X2194276
W14X2201220
W14X2208175
W14X2215141
W14X2222118
W14X2229106
W14X2236105
W14X2243115
W14X2250136
W14X2257168
W14X2264211
W14X2271265
W14X2278330
W14X2285406
W14X2292493
W14X2299591
W14X2306700
W14X2313820
W14X2320951
W14X2328093
W14X2335246
W14X2342410
W14X2349585
W14X2356771
W14X2363968
W14X2371176
W14X2378395
W14X2385625
W14X2392866
W14X2400118
W14X2407381
W14X2414655
W14X2421940
W14X2429236
W14X2436543
W14X2443861
W14X2451190
W14X2458530
W14X2465881
W14X2473243
W14X2480616
W14X2488000
W14X2495395
W14X2502801
W14X2510218
W14X2517646
W14X2525085
W14X2532535
W14X2539996
W14X2547468
W14X2554951
W14X2562445
W14X2569950
W14X2577466
W14X2584993
W14X2592531
W14X2600080
W14X2607640
W14X2615211
W14X2622793
W14X2630386
W14X2637990
W14X2645605
W14X2653231
W14X2660868
W14X2668516
W14X2676175
W14X2683845
W14X2691526
W14X2699218
W14X2706921
W14X2714635
W14X2722360
W14X2730096
W14X2737843
W14X2745601
W14X2753370
W14X2761150
W14X2768941
W14X2776743
W14X2784556
W14X2792380
W14X2800215
W14X2808061
W14X2815918
W14X2823786
W14X2831665
W14X2839555
W14X2847456
W14X2855368
W14X2863291
W14X2871225
W14X2879170
W14X2887126
W14X2895093
W14X2903071
W14X2911060
W14X2919060
W14X2927071
W14X2935093
W14X2943126
W14X2951170
W14X2959225
W14X2967291
W14X2975368
W14X2983456
W14X2991555
W14X2999665
W14X3007786
W14X3015918
W14X3024061
W14X3032215
W14X3040380
W14X3048556
W14X3056743
W14X3064941
W14X3073150
W14X3081370
W14X3089601
W14X3097843
W14X3106096
W14X3114360
W14X3122635
W14X3130921
W14X3139218
W14X3147526
W14X3155845
W14X3164175
W14X3172516
W14X3180868
W14X3189231
W14X3197605
W14X3205990
W14X3214386
W14X3222793
W14X3231211
W14X3239640
W14X3248080
W14X3256531
W14X3264993
W14X3273466
W14X3281950
W14X3290445
W14X3298951
W14X3307468
W14X3315996
W14X3324535
W14X3333085
W14X3341646
W14X3350218
W14X3358801
W14X3367395
W14X3376000
W14X3384616
W14X3393243
W14X3401881
W14X3410530
W14X3419190
W14X3427861
W14X3436543
W14X3445236
W14X3453940
W14X3462655
W14X3471381
W14X3480118
W14X3488866
W14X3497625
W14X3506395
W14X3515176
W14X3523968
W14X3532771
W14X3541585
W14X3550410
W14X3559246
W14X3568093
W14X3576951
W14X3585820
W14X3594700
W14X3603591
W14X3612493
W14X3621406
W14X3630330
W14X3639265
W14X3648211
W14X3657168
W14X3666136
W14X3675115
W14X3684105
W14X3693106
W14X3702118
W14X3711141
W14X3720175
W14X3729220
W14X3738276
W14X3747343
W14X3756421
W14X3765510
W14X3774610
W14X3783721
W14X3792843
W14X3801976
W14X3811120
W14X3820275
W14X3829441
W14X3838618
W14X3847806
W14X3857005
W14X3866215
W14X3875436
W14X3884668
W14X3893911
W14X3903165
W14X3912430
W14X3921706
W14X3930993
W14X3940291
W14X3949600
W14X3958920
W14X3968251
W14X3977593
W14X3986946
W14X3996310
W14X4005685
W14X4015071
W14X4024468
W14X4033876
W14X4043295
W14X4052725
W14X4062166
W14X4071618
W14X4081081
W14X4090555
W14X4100040
W14X4109536
W14X4119043
W14X4128561
W14X4138090
W14X4147630
W14X4157181
W14X4166743
W14X4176316
W14X4185900
W14X4195495
W14X4205101
W14X4214718
W14X4224346
W14X4233985
W14X4243635
W14X4253296
W14X4262968
W14X4272651
W14X4282345
W14X4292050
W14X4301766
W14X4311493
W14X4321231
W14X4330980
W14X4340740
W14X4350511
W14X4360293
W14X4370086
W14X4379890
W14X4389705
W14X4399531
W14X4409368
W14X4419216
W14X4429075
W14X4438945
W14X4448826
W14X4458718
W14X4468621
W14X4478535
W14X4488460
W14X4498396
W14X4508343
W14X4518301
W14X4528270
W14X4538250
W14X4548241
W14X4558243
W14X4568256
W14X4578280
W14X4588315
W14X4598361
W14X4608418
W14X4618486
W14X4628565
W14X4638655
W14X4648756
W14X4658868
W14X4668991
W14X4679125
W14X4689270
W14X4699426
W14X4709593
W14X4719771
W14X4729960
W14X4740160
W14X4750371
W14X4760593
W14X4770826
W14X4781070
W14X4791325
W14X4801591
W14X4811868
W14X4822156
W14X4832455
W14X4842765
W14X4853086
W14X4863418
W14X4873761
W14X4884115
W14X4894480
W14X4904856
W14X4915243
W14X4925641
W14X4936050
W14X4946470
W14X4956901
W14X4967343
W14X4977796
W14X4988260
W14X4998735
W14X5009221
W14X5019718
W14X5030226
W14X5040745
W14X5051275
W14X5061816
W14X5072368
W14X5082931
W14X5093505
W14X5104090
W14X5114686
W14X5125293
W14X5135911
W14X5146540
W14X5157180
W14X5167831
W14X5178493
W14X5189166
W14X5199850
W14X5210545
W14X5221251
W14X5231968
W14X5242696
W14X5253435
W14X5264185
W14X5274946
W14X5285718
W14X5296501
W14X5307295
W14X5318100
W14X5328916
W14X5339743
W14X5350581
W14X5361430
W14X5372290
W14X5383161
W14X5394043
W14X5404936
W14X5415840
W14X5426755
W14X5437681
W14X5448618
W14X5459566
W14X5470525
W14X5481495
W14X5492476
W14X5503468
W14X5514471
W14X5525485
W14X5536510
W14X5547546
W14X5558593
W14X5569651
W14X5580720
W14X5591800
W14X5602891
W14X5613993
W14X5625106
W14X5636230
W14X5647365
W14X5658511
W14X5669668
W14X5680836
W14X5692015
W14X5703205
W14X5714406
W14X5725618
W14X5736841
W14X5748075
W14X5759320
W14X5770576
W14X5781843
W14X5793121
W14X5804410
W14X5815710
W14X5827021
W14X5838343
W14X5849676
W14X5861020
W14X5872375
W14X5883741
W14X5895118
W14X5906506
W14X5917905
W14X5929315
W14X5940736
W14X5952168
W14X5963611
W14X5975065
W14X5986530
W14X5998006
W14X6009493
W14X6020991
W14X6032500
W14X6044020
W14X6055551
W14X6067093
W14X6078646
W14X6090210
W14X6101785
W14X6113371
W14X6124968
W14X6136576
W14X6148195
W14X6159825
W14X6171466
W14X6183118
W14X6194781
W14X6206455
W14X6218140
W14X6229836
W14X6241543
W14X6253261
W14X6264990
W14X6276730
W14X6288481
W14X6300243
W14X6312016
W14X6323800
W14X6335595
W14X6347401
W14X6359218
W14X6371046
W14X6382885
W14X6394735
W14X6406596
W14X6418468
W14X6430351
W14X6442245
W14X6454150
W14X6466066
W14X6477993
W14X6489931
W14X6501880
W14X6513840
W14X6525811
W14X6537793
W14X6549786
W14X6561790
W14X6573805
W14X6585831
W14X6597868
W14X6609916
W14X6621975
W14X6634045
W14X6646126
W14X6658218
W14X6670321
W14X6682435
W14X6694560
W14X6706696
W14X6718843
W14X6731001
W14X6743170
W14X6755350
W14X6767541
W14X6779743
W14X6791956
W14X6804180
W14X6816415
W14X6828661
W14X6840918
W14X6853186
W14X6865465
W14X6877755
W14X6890056
W14X6902368
W14X6914691
W14X6927025
W14X6939370
W14X6951726
W14X6964093
W14X6976471
W14X6988860
W14X7001260
W14X7013671
W14X7026093
W14X7038526
W14X7050970
W14X7063425
W14X7075891
W14X7088368
W14X7100856
W14X7113355
W14X7125865
W14X7138386
W14X7150918
W14X7163461
W14X7176015
W14X7188580
W14X7201156
W14X7213743
W14X7226341
W14X7238950
W14X7251570
W14X7264201
W14X7276843
W14X7289496
W14X7302160
W14X7314835
W14X7327521
W14X7340218
W14X7352926
W14X7365645
W14X7378375
W14X7391116
W14X7403868
W14X7416631
W14X7429405
W14X7442190
W14X7454986
W14X7467793
W14X7480611
W14X7493440
W14X7506280
W14X7519131
W14X7531993
W14X7544866
W14X7557750
W14X7570645
W14X7583551
W14X7596468
W14X7609396
W14X7622335
W14X7635285
W14X7648246
W14X7661218
W14X7674201
W14X7687195
W14X7700200
W14X7713216
W14X7726243
W14X7739281
W14X7752330
W14X7765390
W14X7778461
W14X7791543
W14X7804636
W14X7817740
W14X7830855
W14X7843981
W14X7857118
W14X7870266
W14X7883425
W14X7896595
W14X7909776
W14X7922968
W14X7936171
W14X7949385
W14X7962610
W14X7975846
W14X7989093
W14X8002351
W14X8015620
W14X8028900
W14X8042191
W14X8055493
W14X8068806
W14X8082130
W14X8095465
W14X8108811
W14X8122168
W14X8135536
W14X8148915
W14X8162305
W14X8175706
W14X8189118
W14X8202541
W14X8215975
W14X8229420
W14X8242876
W14X8256343
W14X8269821
W14X8283310
W14X8296810
W14X8310321
W14X8323843
W14X8337376
W14X8350920
W14X8364475
W14X8378041
W14X8391618
W14X8405206
W14X8418805
W14X8432415
W14X8446036
W14X8459668
W14X8473311
W14X8486965
W14X8500630
W14X8514306
W14X8527993
W14X8541691
W14X8555400
W14X8569120
W14X8582851
W14X8596593
W14X8610346
W14X8624110
W14X8637885
W14X8651671
W14X8665468
W14X8679276
W14X8693095
W14X8706925
W14X8720766
W14X8734618
W14X8748481
W14X8762355
W14X8776240
W14X8790136
W14X8804043
W14X8817961
W14X8831890
W14X8845830
W14X8859781
W14X8873743
W14X8887716
W14X8901700
W14X8915695
W14X8929701
W14X8943718
W14X8957746
W14X8971785
W14X8985835
W14X8999896
W14X9013968
W14X9028051
W14X9042145
W14X9056250
W14X9070366
W14X9084493
W14X9098631
W14X9112780
W14X9126940
W14X9141111
W14X9155293
W14X9169486
W14X9183690
W14X9197905
W14X9212131
W14X9226368
W14X9240616
W14X9254875
W14X9269145
W14X9283426
W14X9297718
W14X9312021
W14X9326335
W14X9340660
W14X9354996
W14X9369343
W14X9383701
W14X9398070
W14X9412450
W14X9426841
W14X9441243
W14X9455656
W14X9470080
W14X9484515
W14X9498961
W14X9513418
W14X9527886
W14X9542365
W14X9556855
W14X9571356
W14X9585868
W14X9600391
W14X9614925
W14X9629470
W14X9644026
W14X9658593
W14X9673171
W14X9687760
W14X9702360
W14X9716971
W14X9731593
W14X9746226
W14X9760870
W14X9775525
W14X9790191
W14X9804868
W14X9819556
W14X9834255
W14X9848965
W14X9863686
W14X9878418
W14X9893161
W14X9907915
W14X9922680
W14X9937456
W14X9952243
W14X9967041
W14X9981850
W14X9996670
W14X10011501
W14X10026343
W14X10041196
W14X10056060
W14X10070935
W14X10085821
W14X10100718
W14X10115626
W14X10130545
W14X10145475
W14X10160416
W14X10175368
W14X10190331
W14X10205305
W14X10220290
W14X10235286
W14X10250293
W14X10265311
W14X10280340
W14X10295380
W14X10310431
W14X10325493
W14X10340566
W14X10355650
W14X10370745
W14X10385851
W14X10400968
W14X10416096
W14X10431235
W14X10446385
W14X10461546
W14X10476718
W14X10491901
W14X10507095
W14X10522300
W14X10537516
W14X10552743
W14X10567981
W14X10583230
W14X10598490
W14X10613761
W14X10629043
W14X10644336
W14X10659640
W14X10674955
W14X10690281
W14X10705618
W14X10720966
W14X10736325
W14X10751695
W14X10767076
W14X10782468
W14X10797871
W14X10813285
W14X10828710
W14X10844146
W14X10859593
W14X10875051
W14X10890520
W14X10906000
W14X10921491
W14X10936993
W14X10952506
W14X10968030
W14X10983565
W14X10999111
W14X11014668
W14X11030236
W14X11045815
W14X11061405
W14X11077006
W14X11092618
W14X11108241
W14X11123875
W14X11139520
W14X11155176
W14X11170843
W14X11186521
W14X11202210
W14X11217910
W14X11233621
W14X11249343
W14X11265076
W14X11280820
W14X11296575
W14X11312341
W14X11328118
W14X11343906
W14X11359705
W14X11375515
W14X11391336
W14X11407168
W14X11423011
W14X11438865
W14X11454730
W14X11470606
W14X11486493
W14X11502391
W14X11518300
W14X11534220
W14X11550151
W14X11566093
W14X11582046
W14X11598010
W14X11613985
W14X11629971
W14X11645968
W14X11661976
W14X11677995
W14X11694025
W14X11710066
W14X11726118
W14X11742181
W14X11758255
W14X11774340
W14X11790436
W14X11806543
W14X11822661
W14X11838790
W14X11854930
W14X11871081
W14X11887243
W14X11903416
W14X11919600
W14X11935795
W14X11952001
W14X11968218
W14X11984446
W14X12000685
W14X12016935
W14X12033196
W14X12049468
W14X12065751
W14X12082045
W14X12098350
W14X12114666
W14X12130993
W14X12147331
W14X12163680
W14X12180040
W14X12196411
W14X12212793
W14X12229186
W14X12245590
W14X12262005
W14X12278431
W14X12294868
W14X12311316
W14X12327775
W14X12344245
W14X12360726
W14X12377218
W14X12393721
W14X12410235
W14X12426760
W14X12443296
W14X12459843
W14X12476401
W14X12492970
W14X12509550
W14X12526141
W14X12542743
W14X12559356
W14X12575980
W14X12592615
W14X12609261
W14X12625918
W14X12642586
W14X12659265
W14X12675955
W14X12692656
W14X12709368
W14X12726091
W14X12742825
W14X12759570
W14X12776326
W14X12793093
W14X12809871
W14X12826660
W14X12843460
W14X12860271
W14X12877093
W14X12893926
W14X12910770
W14X12927625
W14X12944491
W14X12961368
W14X12978256
W14X12995155
W14X13012065
W14X13028986
W14X13045918
W14X13062861
W14X13079815
W14X13096780
W14X13113756
W14X13130743
W14X13147741
W14X13164750
W14X13181770
W14X13198801
W14X13215843
W14X13232896
W14X13249960
W14X13267035
W14X13284121
W14X13301218
W14X13318326
W14X13335445
W14X13352575
W14X13369716
W14X13386868
W14X13404031
W14X13421205
W14X13438390
W14X13455586
W14X13472793
W14X13490011
W14X13507240
W14X13524480
W14X13541731
W14X13558993
W14X13576266
W14X13593550
W14X13610845
W14X13628151
W14X13645468
W14X13662796
W14X13680135
W14X13697485
W14X13714846
W14X13732218
W14X13749601
W14X13766995
W14X13784400
W14X13801816
W14X13819243
W14X13836681
W14X13854130
W14X13871590
W14X13889061
W14X13906543
W14X13924036
W14X13941540
W14X13959055
W14X13976581
W14X13994118
W14X14011666
W14X14029225
W14X14046795
W14X14064376
W14X14081968
W14X14099571
W14X14117185
W14X14134810
W14X14152446
W14X14170093
W14X14187751
W14X14205420
W14X14223100
W14X14240791
W14X14258493
W14X14276206
W14X14293930
W14X14311665
W14X14329411
W14X14347168
W14X14364936
W14X14382715
W14X14400505
W14X14418306
W14X14436118
W14X14453941
W14X14471775
W14X14489620
W14X14507476
W14X14525343
W14X14543221
W14X14561110
W14X14579010
W14X14596921
W14X14614843
W14X14632776
W14X14650720
W14X14668675
W14X14686641
W14X14704618
W14X14722606
W14X14740605
W14X14758615
W14X14776636
W14X14794668
W14X14812711
W14X14830765
W14X14848830
W14X14866906
W14X14884993
W14X14903091
W14X14921200
W14X14939320
W14X14957451
W14X14975593
W14X14993746
W14X15011910
W14X15030085
W14X15048271
W14X15066468
W14X15084676
W14X15102895
W14X15121125
W14X15139366
W14X15157618
W14X15175881
W14X15194155
W14X15212440
W14X15230736
W14X15249043
W14X15267361
W14X15285690
W14X15304030
W14X15322381
W14X15340743
W14X15359116
W14X15377500
W14X15395895
W14X15414301
W14X15432718
W14X15451146
W14X15469585
W14X15488035
W14X15506496
W14X15524968
W14X15543451
W14X15561945
W14X15580450
W14X15598966
W14X15617493
W14X15636031
W14X15654580
W14X15673140
W14X15691711
W14X15710293
W14X15728886
W14X15747490
W14X15766105
W14X15784731
W14X15803368
W14X15822016
W14X15840675
W14X15859345
W14X15878026
W14X15896718
W14X15915421
W14X15934135
W14X15952860
W14X15971596
W14X15990343
W14X16009101
W14X16027870
W14X16046650
W14X16065441
W14X16084243
W14X16103056
W14X16121880
W14X16140715
W14X16159561
W14X16178418
W14X16197286
W14X16216165
W14X16235055
W14X16253956
W14X16272868
W14X16291791
W14X16310725
W14X16329670
W14X16348626
W14X16367593
W14X16386571
W14X16405560
W14X16424560
W14X16443571
W14X16462593
W14X16481626
W14X16500670
W14X16519725
W14X16538791
W14X16557868
W14X16576956
W14X16596055
W14X16615165
W14X16634286
W14X16653418
W14X16672561
W14X16691715
W14X16710880
W14X16730056
W14X16749243
W14X16768441
W14X16787650
W14X16806870
W14X16826101
W14X16845343
W14X16864596
W14X16883860
W14X16903135
W14X16922421
W14X16941718
W14X16961026
W14X16980345
W14X16999675
W14X17019016
W14X17038368
W14X17057731
W14X17077105
W14X17096490
W14X17115886
W14X17135293
W14X17154711
W14X17174140
W14X17193580
W14X17213031
W14X17232493
W14X17251966
W14X17271450
W14X17290945
W14X17310451
W14X17329968
W14X17349496
W14X17369035
W14X17388585
W14X17408146
W14X17427718
W14X17447301
W14X17466895
W14X17486500
W14X17506116
W14X17525743
W14X17545381
W14X17565030
W14X17584690
W14X17604361
W14X17624043
W14X17643736
W14X17663440
W14X17683155
W14X17702881
W14X17722618
W14X17742366
W14X17762125
W14X17781895
W14X17801676
W14X17821468
W14X17841271
W14X17861085
W14X17880910
W14X17900746
W14X17920593
W14X17940451
W14X17960320
W14X17980200
W14X18000091
W14X18019993
W14X18039906
W14X18059830
W14X18079765
W14X18099711
W14X18119668
W14X18139636
W14X18159615
W14X18179605
W14X18199606
W14X18219618
W14X18239641
W14X18259675
W14X18279720
W14X18299776
W14X18319843
W14X18339921
W14X18360010
W14X18380110
W14X18400221
W14X18420343
W14X18440476
W14X18460620
W14X18480775
W14X18500941
W14X18521118
W14X18541306
W14X18561505
W14X18581715
W14X18601936
W14X18622168
W14X18642411
W14X18662665
W14X18682930
W14X18703206
W14X18723493
W14X18743791
W14X18764100
W14X18784420
W14X18804751
W14X18825093
W14X18845446
W14X18865810
W14X18886185
W14X18906571
W14X18926968
W14X18947376
W14X18967795
W14X18988225
W14X19008666
W14X19029118
W14X19049581
W14X19070055
W14X19090540
W14X19111036
W14X19131543
W14X19152061
W14X19172590
W14X19193130
W14X19213681
W14X19234243
W14X19254816
W14X19275400
W14X19295995
W14X19316601
W14X19337218
W14X19357846
W14X19378485
W14X19399135
W14X19419796
W14X19440468
W14X19461151
W14X19481845
W14X19502550
W14X19523266
W14X19543993
W14X19564731
W14X19585480
W14X19606240
W14X19627011
W14X19647793
W14X19668586
W14X19689390
W14X19710205
W14X19731031
W14X19751868
W14X19772716
W14X19793575
W14X19814445
W14X19835326
W14X19856218
W14X19877121
W14X19898035
W14X19918960
W14X19939896
W14X19960843
W14X19981801
W14X20002770
W14X20023750
W14X20044741
W14X20065743
W14X20086756
W14X20107780
W14X20128815
W14X20149861
W14X20170918
W14X20191986
W14X20213065
W14X20234155
W14X20255256
W14X20276368
W14X20297491
W14X20318625
W14X20339770
W14X20360926
W14X20382093
W14X20403271
W14X20424460
W14X20445660
W14X20466871
W14X20488093
W14X20509326
W14X20530570
W14X20551825
W14X20573091
W14X20594368
W14X20615656
W14X20636955
W14X20658265
W14X20679586
W14X20700918
W14X20722261
W14X20743615
W14X20764980
W14X20786356
W14X20807743
W14X20829141
W14X20850550
W14X20871970
W14X20893401
W14X20914843
W14X20936296
W14X20957760
W14X20979235
W14X21000721
W14X21022218
W14X21043726
W14X21065245
W14X21086775
W14X21108316
W14X21129868
W14X21151431
W14X21173005
W14X21194590
W14X21216186
W14X21237793
W14X21259411
W14X21281040
W14X21302680
W14X21324331
W14X21345993
W14X21367666
W14X21389350
W14X21411045
W14X21432751
W14X21454468
W14X21476196
W14X21497935
W14X21519685
W14X21541446
W14X21563218
W14X21585001
W14X21606795
W14X21628600
W14X21650416
W14X21672243
W14X21694081
W14X21715930
W14X21737790
W14X21759661
W14X21781543
W14X21803436
W14X21825340
W14X21847255
W14X21869181
W14X21891118
W14X21913066
W14X21935025
W14X21956995
W14X21978976
W14X22000968
W14X22022971
W14X22044985
W14X22067010
W14X22089046
W14X22111093
W14X22133151
W14X22155220
W14X22177300
W14X22199391
W14X22221493
W14X22243606
W14X22265730
W14X22287865
W14X22310011
W14X22332168
W14X22354336
W14X22376515
W14X22398705
W14X22420906
W14X22443118
W14X22465341
W14X22487575
W14X22509820
W14X22532076
W14X22554343
W14X22576621
W14X22598910
W14X22621210
W14X22643521
W14X22665843
W14X22688176
W14X22710520
W14X22732875
W14X22755241
W14X22777618
W14X22800006
W14X22822405
W14X22844815
W14X22867236
W14X22889668
W14X22912111
W14X22934565
W14X22957030
W14X22979506
W14X23001993
W14X23024491
W14X23047000
W14X23069520
W14X23092051
W14X23114593
W14X23137146
W14X23159710
W14X23182285
W14X23204871
W14X23227468
W14X23250076
W14X23272695
W14X23295325
W14X23317966
W14X23340618
W14X23363281
W14X23385955
W14X23408640
W14X23431336
W14X23454043
W14X23476761
W14X23499490
W14X23522230
W14X23544981
W14X23567743
W14X23590516
W14X23613300
W14X23636095
W14X23658901
W14X23681718
W14X23704546
W14X23727385
W14X23750235
W14X23773096
W14X23795968
W14X23818851
W14X23841745
W14X23864650
W14X23887566
W14X23910493
W14X23933431
W14X23956380
W14X23979340
W14X24002311
W14X24025293
W14X24048286
W14X24071290
W14X24094305
W14X24117331
W14X24140368
W14X24163416
W14X24186475
W14X24209545
W14X24232626
W14X24255718
W14X24278821
W14X24301935
W14X24325060
W14X24348196
W14X24371343
W14X24394501
W14X24417670
W14X24440850
W14X24464041
W14X24487243
W14X24510456
W14X24533680
W14X24556915
W14X24580161
W14X24603418
W14X24626686
W14X24649965
W14X24673255
W14X24696556
W14X24719868
W14X24743191
W14X24766525
W14X24789870
W14X24813226
W14X24836593
W14X24859971
W14X24883360
W14X24906760
W14X24930171
W14X24953593
W14X24977026
W14X25000470
W14X25023925
W14X25047391
W14X25070868
W14X25094356
W14X25117855
W14X25141365
W14X25164886
W14X25188418
W14X25211961
W14X25235515
W14X25259080
W14X25282656
W14X25306243
W14X25329841
W14X25353450
W14X25377070
W14X25400701
W14X25424343
W14X25447996
W14X25471660
W14X25495335
W14X25519021
W14X25542718
W14X25566426
W14X25590145
W14X25613875
W14X25637616
W14X25661368
W14X25685131
W14X25708905
W14X25732690
W14X25756486
W14X25780293
W14X25804111
W14X25827940
W14X25851780
W14X25875631
W14X25899493
W14X25923366
W14X25947250
W14X25971145
W14X25995051
W14X26018968
W14X26042896
W14X26066835
W14X26090785
W14X26114746
W14X26138718
W14X26162701
W14X26186695
W14X26210700
W14X26234716
W14X26258743
W14X26282781
W14X26306830
W14X26330890
W14X26354961
W14X26379043
W14X26403136
W14X26427240
W14X26451355
W14X26475481
W14X26499618
W14X26523766
W14X26547925
W14X26572095
W14X26596276
W14X26620468
W14X26644671
W14X26668885
W14X26693110
W14X26717346
W14X26741593
W14X26765851
W14X26790120
W14X26814400
W14X26838691
W14X26862993
W14X26887306
W14X26911630
W14X26935965
W14X26960311
W14X26984668
W14X27009036
W14


INSTALL STEEL ONLY FOR FUTURE SLAB OPENNING DO NOT CUT SLAB AT THIS TIME
REINF. EX. SLOTTED CONN. AT EX. PORT PT (x3) FOR 55k REACTION.
REINF. EX. DECK AS REQ'D FOR OPNG.
HOLD
HOLD
C8x11.5
W8x18
W18x16
W14x22*
W14x22
CP19X40'-0"
CP18X40'-0"
CP15X28'-0"
CP17X23'-0"
CP17X19'-0"
CP9X19'-0"
CP9X18'-0"
CP9X32'-0"
CP17X23'-0"
CP17X19'-0"
CP17X23'-0"
CP17X19'-0"
CP15X28'-0"
CP15X39'-0"
CP20X38'-0"
CP20X37'-0"
CP20X34'-0"
CP20X33'-0"
CP21X33'-0"
CP19X59'-0"
CP22X38'-0"
CP22X34'-0"
CP17X23'-0"
CP17X19'-0"
CP17X23'-0"
CP17X19'-0"
CP15X28'-0"
CP15X39'-0"
CP20X38'-0"
CP20X37'-0"
CP20X34'-0"
CP20X33'-0"
CP21X33'-0"
CP19X59'-0"
CP22X38'-0"
CP22X34'-0"
CP19X40'-0"
CP18X40'-0"
CP9X19'-0"
CP9X18'-0"
CP9X32'-0"
W14x22*
W14x22
W14x22
W14x22



NOTES:

1. SLAB SHALL BE 5½" (3"+2½") MIN. THICK STONE CONC. HAVING A COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS PLACED OVER 3" DEEP, 20 GAUGE COMPOSITE METAL DECK REINF. WITH 6X6-W2.4XW2.4 W.W.F. (U.O.N.) WHERE NOTED ON PLAN. TOP OF STRUCTUREAL SLAB SLOPES. H.P. EL. = 84'-6½" AND L.P. EL. = 84'-4" U.O.N. ON PLAN. SEE ARCH. DWGS. FOR SLOPE.
2. TOP OF STEEL SHALL BE AT EL. 84'-10½" UNLESS NOTED THUS (±...) INDICATING DISTANCE ABOVE OR BELOW EL. 84'-6".
3. ALL BEAMS SHALL BE ASTM 572, GRADE 50 STEEL U.O.N. THUS * INDICATING A36 STEEL.
4. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWG. S-32 & S-33. FOR SUPERSTRUCTURE GENERAL NOTES SEE DWG. S-32.
5. <...> INDICATES SHEAR CONNECTORS.
6. [...] INDICATES CAMBER.
7. FLOOR SLAB SHALL BE SHORED AS PER MANUFACTURER'S REQUIREMENTS.
8. ALL POSTS SHALL BE W10X39 U.O.N. ON PLAN.
9. (P..) INDICATES NEW POST GOING DOWN.
10. * TROLLEY BEAM LOCATION TO BE COORDINATED WITH CHILLER SHOP DGWS.

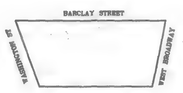
NOTES:

1. LOCATION OF COOLING TOWER SUPPORT BEAMS TO BE COORDINATED WITH COOLING TOWER SHOP DRAWINGS.
2. FOR TOP OF STEEL EL. SEE MECHANICAL DWGS
3. ALL STEEL BEAMS SHALL BE ASTM A36 (F_y=36) U.O.N. STEEL BEAMS THUS NOTED (*) IN PLAN SHALL BE ASTM A572 GRADE 50.
4. ALL BOLT HOLES REQUIRED FOR COOLING TOWER SHALL BE PROVIDED AS PER CERTIFIED COOLING TOWER SHOP DWGS.

6.9.95

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
	6.9.95	AS BUILT - REF. ISSUE 5.5.93
	11.5.93	ISSUED FOR T.A. REVIEW
8	9-18-90	ISSUED FOR BULLETIN #120
7	8-17-90	ISSUED FOR BULLETIN #116
6	7-3-90	ISSUED FOR BULLETIN #103
5	6/14/89	REVISED AS CIRCLED
4	5-23-89	REVISED AS CIRCLED
3	4/6/89	REVISED AS CIRCLED
2	3/1/89	REVISED AS CIRCLED
1	1-17-89	ISSUED FOR CONST.
	12/19/88	75% BLUE PRINTS INCORPORATION

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

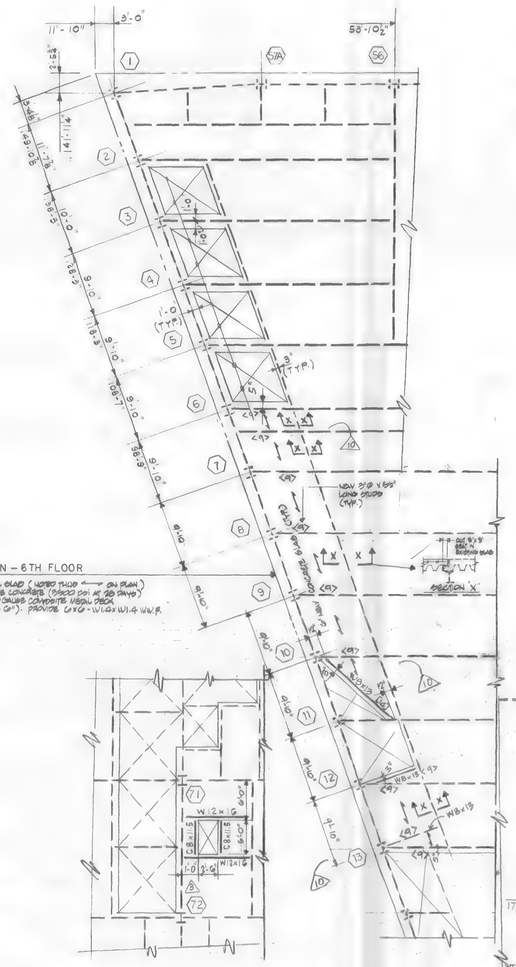
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

BULKHEAD FRAMING PLANS

© Skidmore, Owings & Merrill, 1988

Project No.:
Sheet No. S-24
Date:
Scale:

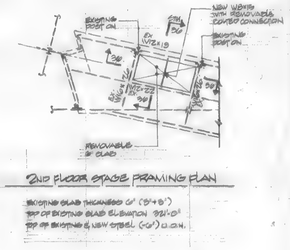
S50057



PART PLAN – 6TH FLOOR

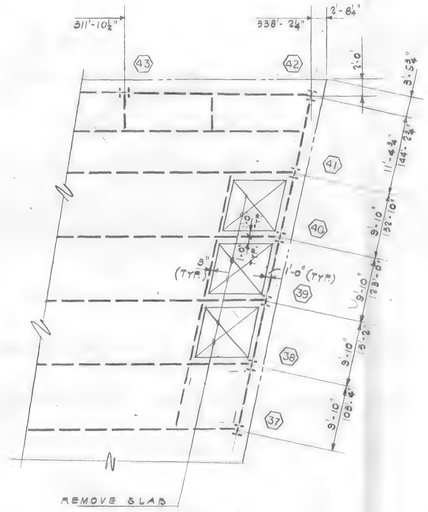
NEW CONCRETE SLAB (NOTED THUS ⟶ ON PLAN) TO BE BY METAL COMPOSITE (9'0 DEEP DECK AT 2'0 SPANS) ON 3" DEEP 20 GAUGE COMPOSITE METAL DECK (TOTAL DEPTH = 6"). PROVIDE 6"x6" - W1.4 x W1.4 WWF IN SLAB

PART PLAN - 24TH TO 29TH FL



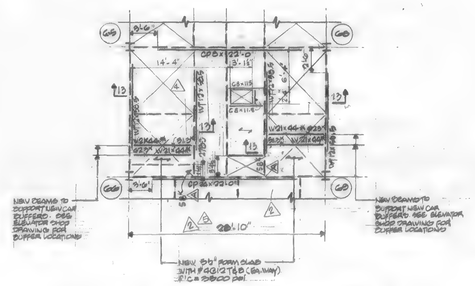
2ND FLOOR STAGE FRAMING PLAN

EXISTING SLAB THICKNESS OF (5'-8")
TOP OF EXISTING SLAB ELEVATION 952'-0"
TOP OF EXISTING & NEW STEEL (60') EL 214



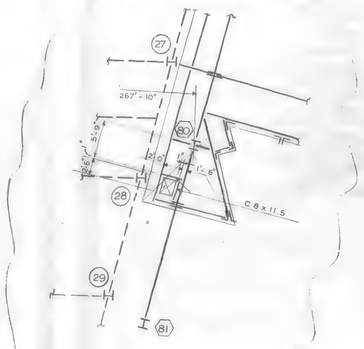
REMOVE SLAB

PART PLAN - 6TH FL.

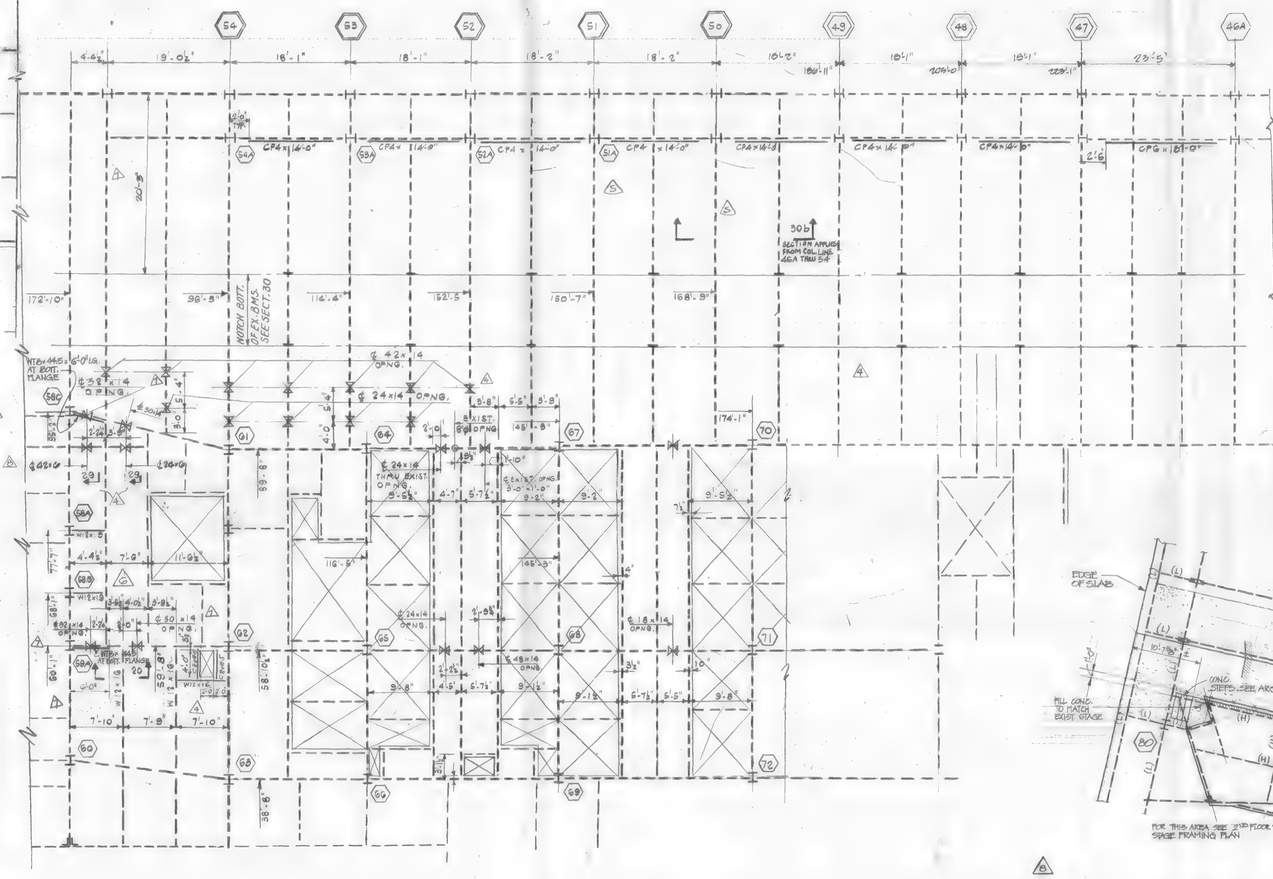


PART PLAN 27TH FLOOR

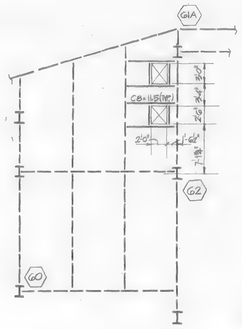
NOTE: △ INDICATES TYPE OF EXIST. CONNECTION REINF. DETAIL. SEE DETAIL ON DWG. S-35



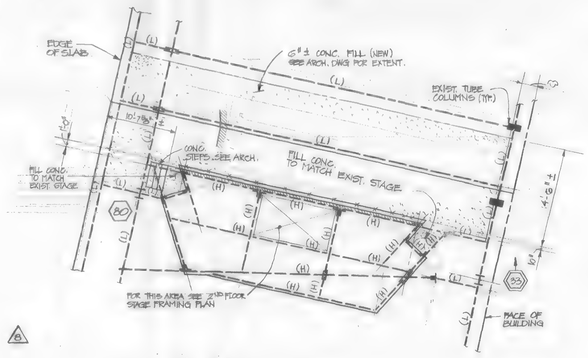
PART PLAN OF 2ND FL



PART 6TH FL. FRAMING PLAN



PART PLAN 2ND FLOOR



PART 2ND FLOOR PLAN

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
11	6-7-91	ISSUED FOR BULLETIN No 96
10	12/2/09	ISSUED BULLETIN 90
9	11/22/89	ISSUED BULLETIN NO. 12
8	10/1/89	REVISED AS CIRCLED
7	8/15/89	REVISED AS CIRCLED
6	6-12-89	REVISED AS CIRCLED
5	6-2-89	REVISED AS CIRCLED
4	5-8-89	REVISED AS CIRCLED
	4-4-89	ISSUED TO CONSTRUCTION PER MEMO
3	3/1/89	REVISED AS CIRCLED
2	1/30/89	REVISED AS CIRCLED
1	1/3/89	ISSUED FOR CONST.
	12/19/88	REVISED AS CIRCLED PER STRUCTURE REV
	12/19/88	ISSUED TO P.A.

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEIKUK GROUP

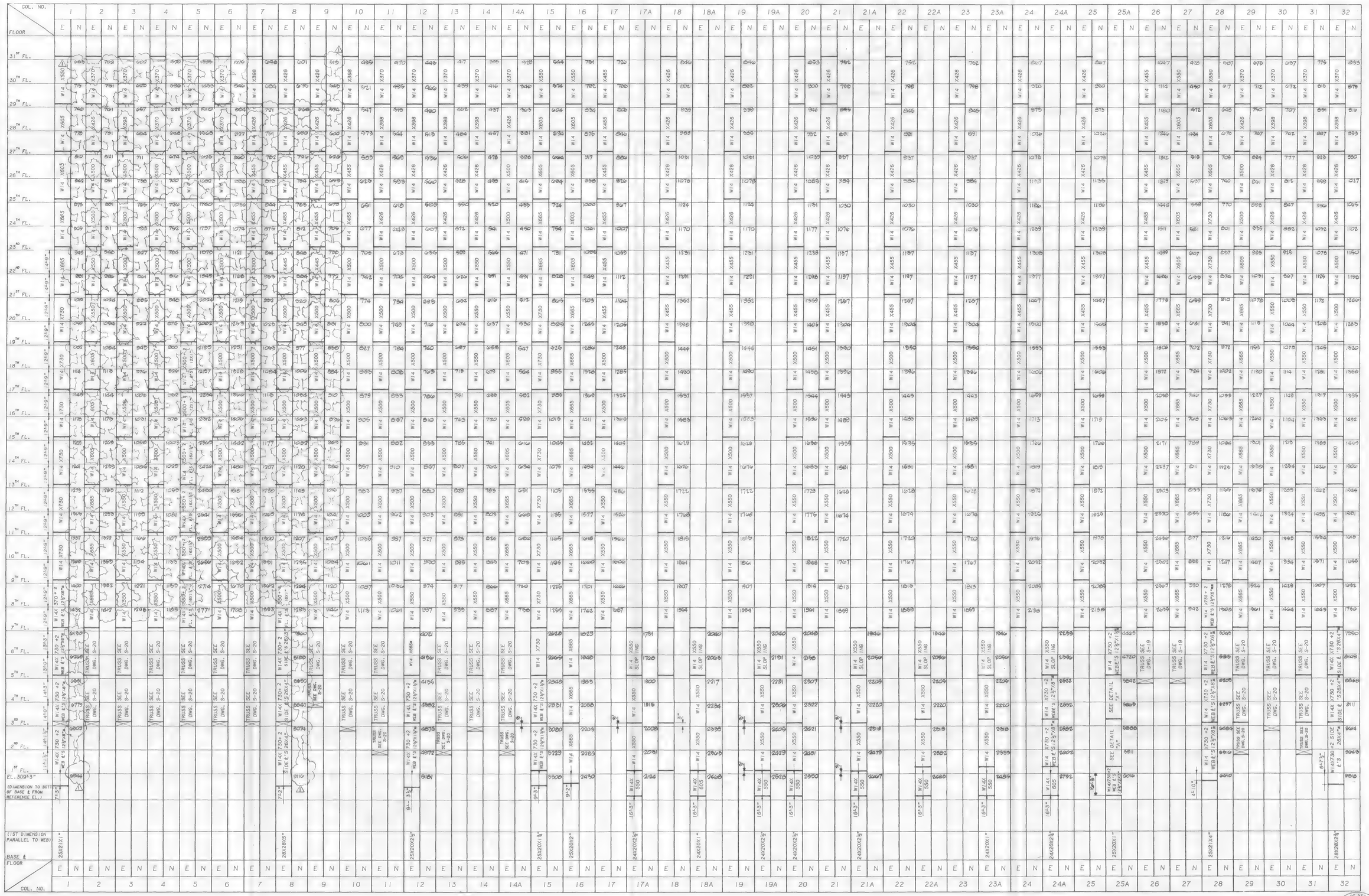
PART PLANS

© Skidmore, Owings & Merrill 1988

Project No.:
Date:
Scale:
Sheet No. S-25

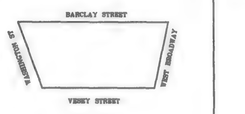
#88237 202

| COL. NO. / FLOOR | 1 E | 1 N | 2 E | 2 N | 3 E | 3 N | 4 E | 4 N | 5 E | 5 N | 6 E | 6 N | 7 E | 7 N | 8 E | 8 N | 9 E | 9 N | 10 E | 10 N | 11 E | 11 N | 12 E | 12 N | 13 E | 13 N | 14 E | 14 N | 14A E | 14A N | 15 E | 15 N | 16 E | 16 N | 17 E | 17 N | 17A E | 17A N | 18 E | 18 N | 18A E | 18A N | 19 E | 19 N | 19A E | 19A N | 20 E | 20 N | 21 E | 21 N | 21A E | 21A N | 22 E | 22 N | 22A E | 22A N | 23 E | 23 N | 23A E | 23A N | 24 E | 24 N | 24A E | 24A N | 25 E | 25 N | 25A E | 25A N | 26 E | 26 N | 27 E | 27 N | 28 E | 28 N | 29 E | 29 N | 30 E | 30 N | 31 E | 31 N | 32 E | 32 N |
|---|---|---



Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
1	8/1/88	REVISED AS CUBED
	1/3/87	ISSUED FOR CLEARANCE
	12/19/86	ISSUED FOR PERMIT

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

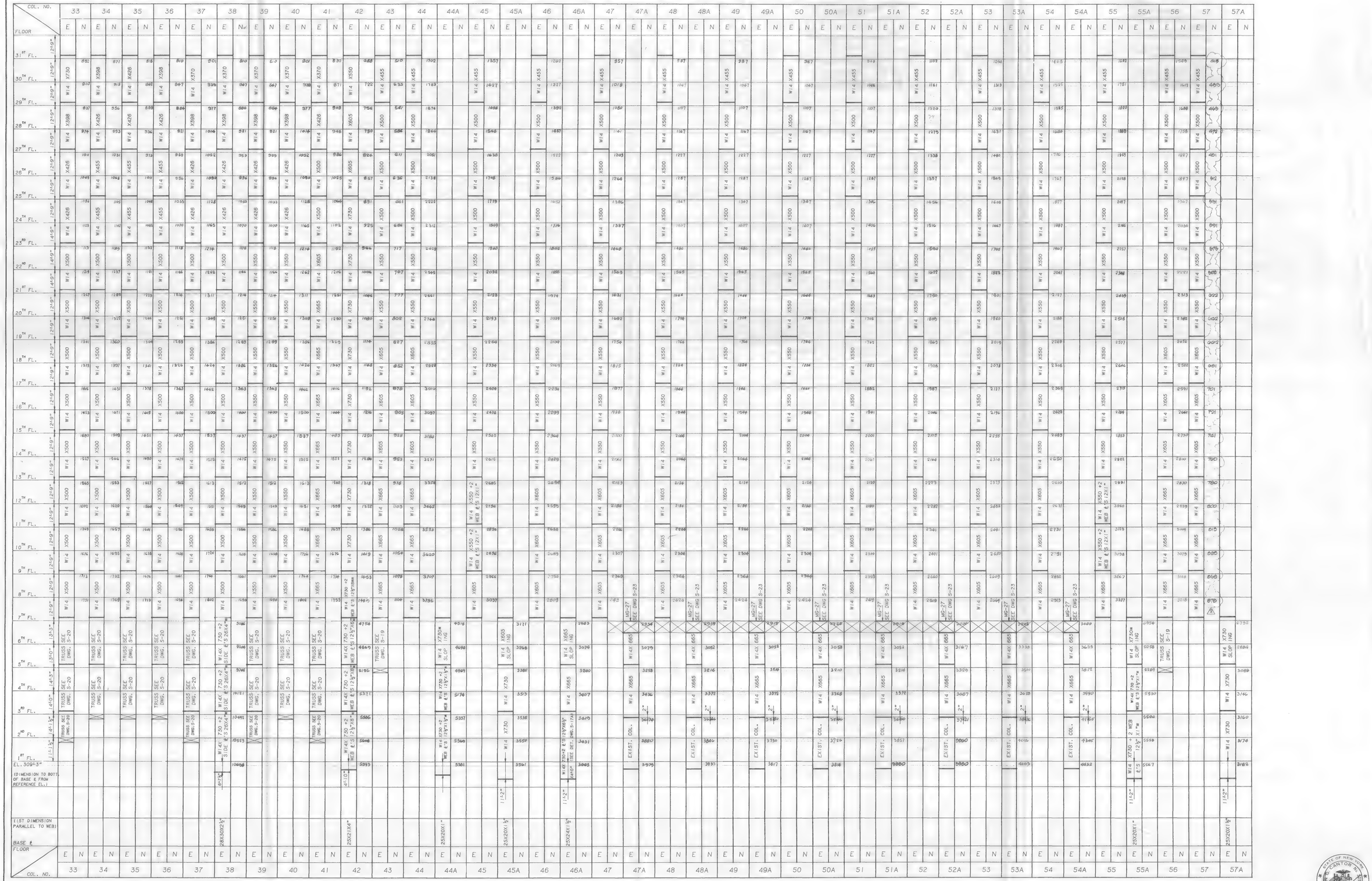
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEINUK GROUP

COLUMN SCHEDULE #2

© Skidmore, Owings & Merrill 1988

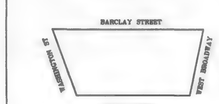
Project No.
Sheet No. S-27
Date
Scale

85067



Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
2	5/1/88	REVISED AS CIRCLED
1	1/5/88	ISSUED FOR CONST.
	12/18/87	SUBMITTED W.P.'S FOR APPROVAL

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10016

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER: THE CANTOR/SEINUK GROUP

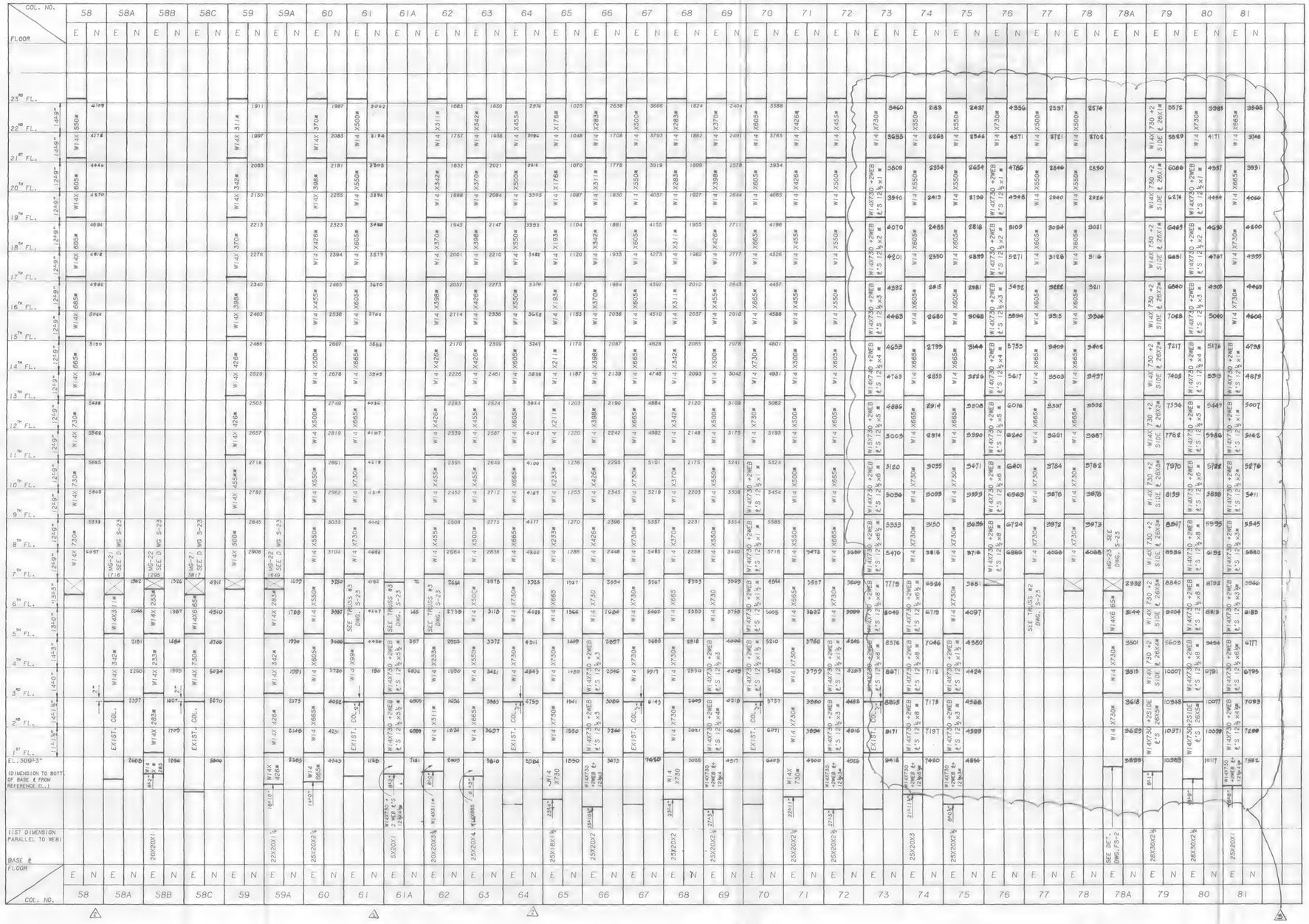
COLUMN SCHEDULE #3

© Skidmore, Owings & Merrill, 1988

Project No:
Date:
Scale:
Sheet No. S-28

88057

| COL. NO. / FLOOR | 33 E | 33 N | 34 E | 34 N | 35 E | 35 N | 36 E | 36 N | 37 E | 37 N | 38 E | 38 N | 39 E | 39 N | 40 E | 40 N | 41 E | 41 N | 42 E | 42 N | 43 E | 43 N | 44 E | 44 N | 44A E | 44A N | 45 E | 45 N | 45A E | 45A N | 46 E | 46 N | 46A E | 46A N | 47 E | 47 N | 47A E | 47A N | 48 E | 48 N | 48A E | 48A N | 49 E | 49 N | 49A E | 49A N | 50 E | 50 N | 50A E | 50A N | 51 E | 51 N | 51A E | 51A N | 52 E | 52 N | 52A E | 52A N | 53 E | 53 N | 53A E | 53A N | 54 E | 54 N | 54A E | 54A N | 55 E | 55 N | 55A E | 55A N | 56 E | 56 N | 57 E | 57 N | 57A E | 57A N |
|---|---|---



Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
2	3/1/85	REVISED AS CIRCLED
1	1/3/85	ISSUED FOR CONST.
	12/10/84	SUBMITTED FOR N.Y. CITY BUILDING DEPT. FOUNDATION MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10016

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER/THE CANTOR/SEINUK GROUP

COLUMN SCHEDULE #5

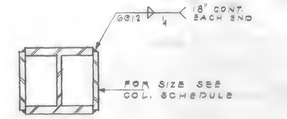
© Skidmore, Owings & Merrill

Project No.:
Date:
Scale:
Sheet No. S-30

88057

COL. NO.	58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		
FLOOR	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	
BULKHEAD ROOF								31		29				35		55		11																																
MAIN ROOF							W14 X90#						W14 X90#																																							
47TH FL. 14'-10"	W14 X99#	154	W14 X90#	97	W14 X90#	83	W14 X90#	170	W14 X99#	134	W14 X90#	88	W14 X90#	186	W14 X90#	225	W14 X90#	85	W14 X90#	159	W14 X90#	194	W14 X90#	69	W14 X99#	138	W14 X90#	134	W14 X90#	87	W14 X90#	145	W14 X90#	132	W14 X90#	64	W14 X90#	376	W14 X90#	205	W14 X90#	94	W14 X99#	624	W14 X90#	395	W14 X90#	118	
46TH FL. 12'-9"	W14 X109#	553	W14 X90#	183	W14 X90#	135	W14 X99#	455	W14 X90#	229	W14 X90#	184	W14 X99#	408	W14 X90#	602	W14 X90#	238	W14 X99#	387	W14 X90#	510	W14 X90#	185	W14 X99#	216	W14 X90#	258	W14 X99#	217	W14 X109#	223	W14 X90#	236	W14 X99#	183	W14 X120#	582	W14 X90#	329	W14 X90#	220	W14 X132	928	W14 X99#	816	W14 X99#	296	
45TH FL. 12'-9"	W14 X145#	711	W14 X99#	264	W14 X90#	251	W14 X99#	552	W14 X90#	300	W14 X90#	310	W14 X109#	550	W14 X90#	824	W14 X90#	356	W14 X90#	595	W14 X90#	618	W14 X90#	342	W14 X90#	444	W14 X90#	363	W14 X99#	398	W14 X109#	432	W14 X90#	528	W14 X90#	298	W14 X99#	859	W14 X90#	445	W14 X99#	592	W14 X132	1166 2-13/16" x 1-1/2" PL	W14 X90#	790 2-13/16" x 1-1/2" PL	W14 X99#	505	
44TH FL. 12'-9"	W14 X145#	900	W14 X99#	344	W14 X99#	342	W14 X132#	695	W14 X99#	387	W14 X99#	390	W14 X120#	689	W14 X90#	845	W14 X99#	422	W14 X132#	730	W14 X99#	868	W14 X99#	434	W14 X132#	605	W14 X99#	487	W14 X120#	524	W14 X145#	596	W14 X99#	420	W14 X109#	413	W14 X159#	1033	W14 X99#	582	W14 X99#	511	W14 X193#	1406	W14 X145#	983	W14 X145#	681	
43RD FL. 12'-9"	W14 X145#	1128	W14 X99#	425	W14 X99#	432	W14 X132#	867	W14 X99#	437	W14 X99#	470	W14 X120#	864	W14 X99#	1056	W14 X99#	487	W14 X132#	866	W14 X99#	733	W14 X99#	527	W14 X132#	774	W14 X99#	599	W14 X120#	635	W14 X145#	762	W14 X99#	523 3-13/16" x 1-1/2" PL	W14 X109#	528	W14 X159#	1226 3-13/16" x 1-1/2" PL	W14 X99#	678 3-13/16" x 1-1/2" PL	W14 X99#	631 3-13/16" x 1-1/2" PL	W14 X193#	1682 4-13/16" x 1-1/2" PL	W14 X145#	1162 3-13/16" x 1-1/2" PL	W14 X145#	838 3-13/16" x 1-1/2" PL	
42ND FL. 12'-9"	W14 X193#	1262	W14 X109#	495	W14 X109#	503	W14 X159#	978	W14 X109#	497	W14 X109#	555	W14 X145#	973	W14 X99#	1283	W14 X109#	543	W14 X159#	1014	W14 X109#	783	W14 X109#	632	W14 X159#	834	W14 X132#	731	W14 X132#	675	W14 X176#	782	W14 X132#	598	W14 X132#	545	W14 X193#	2166 5-1/2" x 1-1/2" PL	W14 X120#	1046 5-1/2" x 1-1/2" PL	W14 X120#	1046 5-1/2" x 1-1/2" PL	W14 X257#	1907 5-1/2" x 1-1/2" PL	W14 X193#	1307 5-1/2" x 1-1/2" PL	W14 X176#	1046 5-1/2" x 1-1/2" PL	
41ST FL. 12'-9"	W14 X193#	1385	W14 X109#	565	W14 X109#	574	W14 X159#	1079	W14 X109#	557	W14 X109#	601	W14 X145#	1961	W14 X99#	1699	W14 X109#	599	W14 X159#	1150	W14 X109#	854	W14 X109#	725	W14 X159#	984	W14 X132#	852	W14 X132#	798	W14 X176#	953	W14 X132#	641	W14 X132#	666	W14 X193#	1433 2-1/2" x 1-1/2" PL	W14 X120#	811 2-1/2" x 1-1/2" PL	W14 X120#	782 2-1/2" x 1-1/2" PL	W14 X257#	1962 2-1/2" x 1-1/2" PL	W14 X193#	1365 2-1/2" x 1-1/2" PL	W14 X176#	1021 2-1/2" x 1-1/2" PL	
40TH FL. 12'-9"	W14 X233#	1529	W14 X132#	635	W14 X132#	645	W14 X193#	1161	W14 X132#	616	W14 X132#	666	W14 X178#	1149	W14 X99#	716	W14 X132#	635	W14 X193#	1297	W14 X132#	884	W14 X132#	830	W14 X193#	1026	W14 X159#	956	W14 X159#	857	W14 X211#	970	W14 X176#	646	W14 X176#	683	W14 X257#	1540 6-3/16" x 1-3/4" PL	W14 X145#	801 6-3/16" x 1-3/4" PL	W14 X145#	776 6-3/16" x 1-3/4" PL	W14 X311#	1967 6-3/16" x 1-3/4" PL	W14 X233#	1950 6-3/16" x 1-3/4" PL	W14 X211#	1056	
39TH FL. 12'-9"	W14 X283#	1863	W14 X132#	706	W14 X132#	716	W14 X193#	1293	W14 X132#	679	W14 X132#	731	W14 X178#	1236	W14 X99#	732	W14 X132#	712	W14 X193#	1433	W14 X132#	935	W14 X132#	923	W14 X193#	1200	W14 X159#	1077	W14 X159#	957	W14 X211#	1141	W14 X176#	748	W14 X176#	804	W14 X257#	1639	W14 X145#	943	W14 X145#	894	W14 X311#	2245	W14 X233#	1887	W14 X211#	1203	
38TH FL. 12'-9"	W14 X283#	1907	W14 X145#	776	W14 X159#	787	W14 X211#	1367	W14 X145#	736	W14 X159#	798	W14 X211#	1826	W14 X109#	749	W14 X145#	768	W14 X233#	1569	W14 X159#	985	W14 X159#	1016	W14 X257#	1252	W14 X193#	1182	W14 X193#	998	W14 X257#	1277	W14 X211#	859	W14 X233#	602	W14 X311#	1758	W14 X176#	1062	W14 X176#	894	W14 X370#	2490	W14 X283#	1708	W14 X257#	1949	
37TH FL. 12'-9"	W14 X283#	1941	W14 X145#	846	W14 X159#	858	W14 X211#	1461	W14 X145#	795	W14 X159#	861	W14 X211#	1417	W14 X109#	766	W14 X145#	824	W14 X233#	1704	W14 X159#	1039	W14 X159#	1109	W14 X257#	1412	W14 X193#	1286	W14 X193#	1108	W14 X257#	1605	W14 X211#	886	W14 X233#	654	W14 X311#	1892	W14 X176#	1190	W14 X176#	1088	W14 X370#	2656	W14 X283#	1840	W14 X257#	1977	
36TH FL. 12'-9"	W14 X311#	2078	W14 X159#	922	W14 X193#	932	W14 X233#	1592	W14 X159#	854	W14 X176#	926	W14 X257#	1604	W14 X109#	782	W14 X159#	880	W14 X283#	1991	W14 X176#	1159	W14 X193#	1182	W14 X342#	1648	W14 X233#	1483	W14 X233#	1197	W14 X342#	1555	W14 X283#	970	W14 X283#	1067	W14 X370#	2106	W14 X233#	1130	W14 X233#	1184	W14 X425#	2819	W14 X342#	1855	W14 X311#	1915	
35TH FL. 12'-9"	W14 X370#	2209	W14 X193#	992	W14 X193#	1003	W14 X257#	1644	W14 X176#	914	W14 X193#	992	W14 X257#	1694	W14 X109#	799	W14 X193#	938	W14 X283#	2109	W14 X193#	1211	W14 X211#	1275	W14 X342#	1807	W14 X233#	1570	W14 X233#	1308	W14 X342#	1695	W14 X257#	1045	W14 X283#	1150	W14 X370#	2563	W14 X233#	1924	W14 X233#	1276	W14 X425#	3003	W14 X342#	2154	W14 X311#	1760	
34TH FL. 12'-9"	W14 X370#	2435	W14 X193#	1072	W14 X211#	1094	W14 X283#	1835	W14 X176#	988	W14 X193#	1074	W14 X283#	1785	W14 X120#	820	W14 X176#	1001	W14 X311#	2228	W14 X193#	1264	W14 X211#	1368	W14 X370#	1968	W14 X257#	1657	W14 X283#	1418	W14 X398#	1692	W14 X311#	1199	W14 X342#	1295	W14 X426#	2852	W14 X283#	1940	W14 X283#	1388	W14 X455#	3262	W14 X398#	2296	W14 X370#	1904	
33RD FL. 12'-9"	W14 X370#	2441	W14 X193#	1147	W14 X211#	1188	W14 X283#	2027	W14 X176#	1044	W14 X193#	1137	W14 X283#	1871	W14 X120#	837	W14 X176#	1053	W14 X311#	2346	W14 X193#	1305	W14 X211#	1481	W14 X370#	2099	W14 X257#	1727	W14 X283#	1506	W14 X398#	1865	W14 X311#	1200	W14 X342#	1366	W14 X426#	2909	W14 X283#	1984	W14 X283#	1484	W14 X455#	3450	W14 X398#	2434	W14 X370#	2054	
32ND FL. 12'-9"	W14 X426#	2795	W14 X211#	1222	W14 X233#	1242	W14 X342#	2119	W14 X193#	1100	W14 X211#	1200	W14 X311#	2055	W14 X132#	853	W14 X193#	1104	W14 X342#	2464	W14 X211#	1347	W14 X233#	1554	W14 X398#	2230	W14 X283#	1798	W14 X311#	1594	W14 X455#	2264	W14 X370#	1250	W14 X370#	1481	W14 X455#	3268	W14 X342#	1926	W14 X342#	1658	W14 X500#	4219	W14 X455#	2670	W14 X426#	2371	
31ST FL. 12'-9"	W14 X455#	2978	W14 X211#	1297	W14 X233#	1316	W14 X342#	2210	W14 X193#	1157	W14 X211#	1265	W14 X342#	2148	W14 X132#	870	W14 X193#	1156	W14 X342#	2592	W14 X211#	1388	W14 X233#	1647	W14 X398#	2561	W14 X283#	1868	W14 X311#	1682	W14 X455#	2369	W14 X370#	1299	W14 X370#	1515	W14 X455#	3282	W14 X342#	1721	W14 X342#	1684	W14 X500#	4307	W14 X455#	2707	W14 X426#	2535	
30TH FL. 12'-9"	W14 X455#	3013	W14 X233#	1372	W14 X257#	1390	W14 X370#	2801	W14 X211#	1213	W14 X233#	1325	W14 X342#	2236	W14 X145#	886	W14 X211#	1207	W14 X370#	2700	W14 X233#	1429	W14 X257#	1740	W14 X426#	2491	W14 X311#	1939	W14 X342#	1770	W14 X500#	2599	W14 X398#	1428	W14 X398#	1849	W14 X500#	3888	W14 X370#	1815	W14 X370#	1780	W14 X500#	4880	W14 X500#	2644	W14 X455#	2940	
29TH FL. 12'-9"	W14 X455#	3187	W14 X233#	1448	W14 X257#	1464	W14 X370#	2933	W14 X211#	1270	W14 X233#	1388	W14 X342#	2314	W14 X145#	903	W14 X211#	1259	W14 X370#	2831	W14 X233#	1621	W14 X257#	1919	W14 X426#	2624	W14 X311#	2090	W14 X342#	1939	W14 X500#	1408	W14 X398#	1485	W14 X398#	1768	W14 X500#	3613	W14 X370#	1808	W14 X370#	1878	W14 X500#	4686	W14 X500#	2580	W14 X455#	2978	
28TH FL. 12'-9"	W14 X500#	3321	W14 X257#	1509	W14 X283#	1535	W14 X398#	2484	W14 X233#	1326	W14 X257#	1451	W14 X370#	2418	W14 X145#	920	W14 X233#	1310	W14 X398#	2949	W14 X257#	1649	W14 X283#	1985	W14 X455#	2755	W14 X342#	2151	W14 X370#	2018	W14 X550#	2647	W14 X426#	1510	W14 X426#	1842	W14 X550#	3975	W14 X398#	2027	W14 X398#	1870	W14 X605#	4972	W14 X550#	2795	W14 X500#	2705	
27TH FL. 12'-9"	W14 X500#	3446	W14 X257#	1573	W14 X283#	1606	W14 X398#	2576	W14 X233#	1383	W14 X257#	1514	W14 X370#	2301	W14 X145#	936	W14 X233#	1362	W14 X398#	3088	W14 X257#	1676	W14 X283#	2052	W14 X455#	2886	W14 X342#	2213	W14 X370#	2097	W14 X550#	2747	W14 X426#	1569	W14 X426#	1845	W14 X550#	4102	W14 X398#	2057	W14 X398#	2049	W14 X605#	4968	W14 X550#	2895	W14 X500#	2845	
26TH FL. 12'-9"	W14 X500#	3564	W14 X283#	1635	W14 X311#	1678	W14 X426#	2667	W14 X257#	1439	W14 X283#	1577	W14 X398#	2850	W14 X159#	953	W14 X257#	1413	W14 X426#	3186	W14 X257#	1704	W14 X311#	2118	W14 X500#	3016	W14 X370#	2274	W14 X398#	2176	W14 X605#	2875	W14 X455#	1715	W14 X455#	2057	W14 X605#	5080	W14 X426#	2180	W14 X426#	2100	W14 X665#	6760	W14 X605#	3130	W14 X550#	3076	
25TH FL. 12'-9"	W14 X500#	3692	W14 X283#	1699	W14 X311#	1748	W14 X455#	2758	W14 X283#	1495	W14 X311#	1640	W14 X426#	2678	W14 X159#	989	W14 X283#	1465	W14 X455#	3304	W14 X283#	1731	W14 X311#	2184	W14 X550#	3147	W14 X398#	2336	W14 X398#	2255	W14 X605#	3205	W14 X455#	1788	W14 X455#	2150	W14 X605#	5355	W14 X426#	2304	W14 X426#	2196	W14 X665#	6955	W14 X605#	3255	W14 X605#	3212	
24TH FL. 12'-9"	W14 X550#	3816	W14 X311#	1762	W14 X342#	1819	W14 X455#	2850	W14 X283#	1551	W14 X311#	1702	W14 X455#	2767	W14 X159#	985	W14 X283#	1516	W14 X455#	3422	W14 X283#	1759	W14 X342#	2251	W14 X550#	3278	W14 X398#	2397	W14 X425#	2334	W14 X665#	3320	W14 X500#	1840	W14 X500#	2209	W14 X665#	5629	W14 X455#	2372	W14 X455#	2264	W14 X730#	7407	W14 X665#	3585	W14 X605#	3347	
23RD FL. 14'-9"	W14 X550#	3940	W14 X311#	1823	W14 X342#	1890	W14 X455#	2941	W14 X283#	1608	W14 X311#	1765	W14 X425#	2856	W14 X193#	1003	W14 X283#	1568	W14 X455#	3540	W14 X283#	1787	W14 X342#	2317	W14 X550#	3409	W14 X398#	2485	W14 X425#	2413	W14 X665#	3430	W14 X500#	1885	W14 X500#	2316	W14 X665#	5818	W14 X455#	2472	W14 X455#	2340	W14 X730#	7672	W14 X665#	3705	W14 X605#	3581	
22ND FL.		4103		1911		1987		3062		1683		1850		2974		1025		1638		3886		1824		2404		3588		2680		2585		2260		2457		4960		2937		2974		3872		3889		3909		
FLOOR	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	
COL. NO.	58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		

NOTES:
1. LEGEND E- INDICATES EXISTING COLUMNS.
N- INDICATES NEW COLUMN OR COLUMN REINFORCING
2. ALL NEW COVER PLATES SHALL BE A572-GRADE 50
3. FOR GENERAL NOTES & TYPICAL DETAILS SEE DRAWINGS S-32 & S-33
4. ALL COLUMN LOADS ARE SERVICE LOADS IN KIPS.

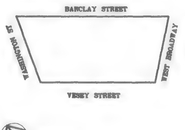


TYPICAL SIDE PLATE REINFORCING DETAIL

NOTE:
1. - REMOVE EXIST. CONNECTIONS AT 58, 61 & 64 AND PL'S AS REQ'D.
2. - EXTEND COLUMN REINF. AS CLOSE AS POSSIBLE TO THE UNDERSIDE OF EXIST. BEAM AND/OR TOP OF EXIST. SLAB.
3. AT SPLICE LOCATIONS CUT REINFORCING PLATE AS REQUIRED & EXTEND MINIMUM 18" INTO COLUMN BELOW WELD CONT. AS SHOWN ABOVE.

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
3	5/23/89	REVISED AS CIRCLED
2	3/17/89	REVISED AS CIRCLED
1	11/21/88	REVISED AS CIRCLED
	1/5/88	ISSUED FOR CONST.
	11/21/88	SUBMITTED TO BRT AUTHORITY FOR APPROVAL & CROSS CLEAR. MODIFICATIONS

SOM SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

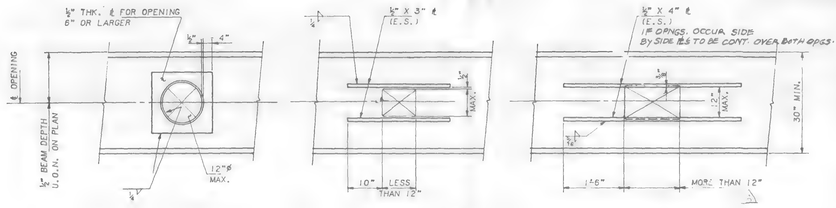
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE CANTOR/SEINUK GROUP

COLUMN SCHEDULE #6

© Skidmore, Owings & Merrill, 1988

Project No.:
Date:
Scale:
Sheet No. S-31

88057

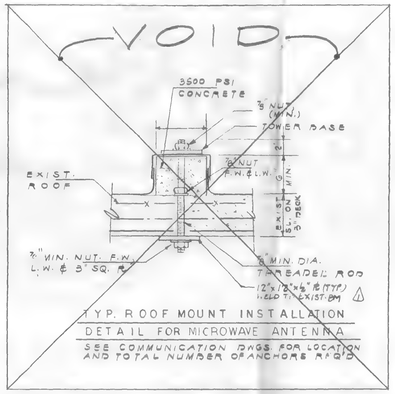


TYP BEAM OPENING DETAILS

REINF. PL'S TO BE SAME GRADE OF STEEL AS BEAM (TYP.)

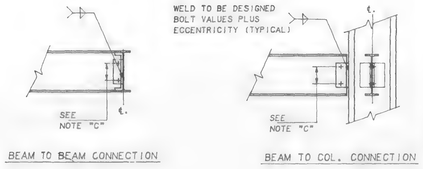
TYPICAL BEAM OPENING DETAILS

1. REINF. PL'S TO BE SAME GRADE OF STEEL AS BEAM (TYP.).
2. ALL FIELD CUT OPENINGS SHALL BE REINF. AS PER DETAILS SHOWN ABOVE, UNLESS OTHERWISE APPROVED BY THE ENGINEER OF RECORD.
3. DURING ALL FIELD CUTTING OF PENETRATIONS THRU BEAMS THE TEMPERATURE SHALL NOT EXCEED 400 DEGREES F AS MEASURED BY THE THERMOCOUPLES 6" FROM EDGE OF OPENING. 2 FOUR CORNERS OF EACH OPENING
4. NEW REINF. SHALL BE IN PLACE BEFORE CUTTING OPENING IN BEAM WEB.



TYP. ROOF MOUNT INSTALLATION DETAIL FOR MICROWAVE ANTENNA

SEE COMMUNICATION DWGS FOR LOCATION AND TOTAL NUMBER OF ANCHORS REQ'D



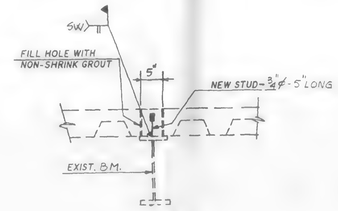
BEAM TO BEAM CONNECTION

BEAM TO COL. CONNECTION

MIN. NO. OF BOLTS "N" SEE NOTE "C"	
BEAM SIZE	"N"
W36	10
W33	9
W30	8
W27	7
W24	7
W21	6
W18	5
W16	4
W14	3
W12	3

NOTES

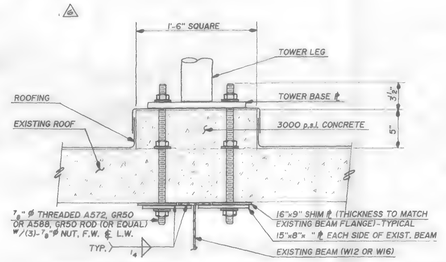
1. SHEAR CONNECTION MUST BE DESIGNED FOR THE GREATEST OF THE FOLLOWING:
   A. FOR COMPOSITE BEAMS - REACTIONS FROM AISC BEAM TABLE X 2.0 AT BEAMS Fy=50 ksi X 1.5 AT BEAMS Fy=36 ksi
   B. FOR NON-COMPOSITE BEAMS - REACTIONS FROM AISC BEAM TABLE X 1.5 AT BEAMS Fy=50ksi X 1.3 AT BEAMS Fy=36ksi
   C. MINIMUM SHEAR CONNECTIONS - SEE TABLE
   D. REACTIONS INDICATED ON DRAWINGS.
2. BOLTS SHALL BE ¾" ø A325 FRICTION TYPE BOLTS MINIMUM (U.O.N.)
3. PROVIDE WEB REINFORCING WHERE REQUIRED DUE TO WEB CUT FOR CONNECTIONS.



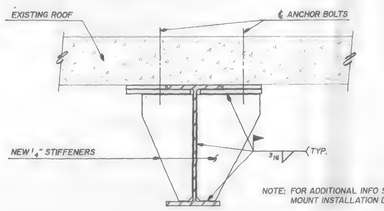
TYPICAL REINFORCING DETAIL OF EXIST. GIRDER OR BEAM

STRUCTURAL STEEL NOTES (CONTINUED):

19. WELD MINIMUM 2-¾" FITTED STIFFENERS TO EXISTING BEAM SUBSTRUCTURE WEB STIFFENERS WHERE HANGERS ARE ECCENTRIC WITH RESPECT TO BEAM CENTER LINE.
20. SHORE EXISTING BEAM WHERE FITTED STIFFENERS ARE WELDED TO EXISTING BEAMS.



TYPICAL ROOF MOUNT INSTALLATION DETAIL FOR MICROWAVE ANTENNA



TYPICAL STIFFENED DETAIL AT MICROWAVE ANTENNA STEEL SUPPORT

GENERAL NOTES

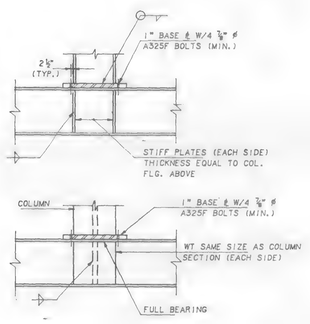
STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL BE ASTM A36 HAVING A MINIMUM YIELD POINT OF 36,000 PSI OR A572 GRADE 50 (SEE PLAN NOTES).
2. AISC SPECIFICATIONS FOR "DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL" - LATEST EDITION SHALL APPLY, EXCEPT AS MODIFIED BY THE NOTES, SCHEDULES AND DETAILS SHOWN ON THE STRUCTURAL DRAWINGS.
3. WELDING ELECTRODES SHALL CONFORM TO E70XX ELECTRODES.
4. ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
5. ALL WELDED CONNECTIONS SHALL CONFORM TO THE RECOMMENDATIONS OF AWS D1.1 AND THE NEW YORK CITY BUILDING CODE. PROVISIONS SHALL BE MADE FOR FIELD INSPECTION AND TESTING OF WELDS. ALL SHOP WELDS SHALL BE TESTED BY ANY OF THE APPROVED METHODS AND SHALL BE CERTIFIED.
6. ALL STEEL BOLTS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS, LATEST EDITION: HIGH STRENGTH BOLTS A-325 AND UNFINISHED BOLTS A-307.
7. ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM ON HOLES 13/16" DIAMETER UNLESS OTHERWISE NOTED.
8. ALL SHOP CONNECTIONS SHALL BE WELDED.
9. ALL COLUMN SPLICES, CONNECTIONS OF BEAMS TO COLUMNS, CONNECTIONS WITHIN 3 FEET OF COLUMNS AND CONNECTIONS OF BEAMS CARRYING MACHINE LOADS SHALL BE HIGH STRENGTH BOLTED AND WELDED IN THE FIELD. OTHER FIELD CONNECTIONS MAY USE UNFINISHED BOLTS EXCEPT WHERE SPECIFICALLY SHOWN OTHERWISE IN STRUCTURAL DRAWINGS. FIELD CONNECTIONS OF NEW CONSTRUCTION TO EXISTING CONSTRUCTION SHALL BE WELDED.
10. IN ADDITION TO MOMENT CONNECTIONS, PROVIDE MINIMUM SHEAR CONNECTIONS FOR ALL GRAVITY LOADS AS SHOWN ON TYPICAL SHEAR CONNECTION DETAILS.
11. ALL ENDS OF COLUMNS AT SPLICES AND AT OTHER BEARING CONNECTIONS SHALL BE MILLED TO COMPLETE TRUE BEARING.
12. MILLED STIFFENERS SHALL BE PROVIDED UNDER ALL COLUMN CONNECTIONS AND OVER ALL COLUMNS.
13. PROVISIONS SHALL BE MADE FOR CONNECTIONS OF OTHER TRADES INCLUDING CUTTING AND PUNCHING OF STRUCTURAL MEMBERS, WHERE REQUIRED BY THE DRAWINGS, OR FOR WHICH INFORMATION IS FURNISHED PRIOR TO FABRICATION.
14. THE USE OF CUTTING TORCH IN THE FIELD WILL BE PERMITTED ONLY AFTER SECURING ENGINEER'S APPROVAL.
15. CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING REQUIRED TO MAINTAIN PLUMBNESS AND STABILITY DURING ERECTION.
16. CONTRACTOR SHALL PROVIDE STIFFENERS PER SECTION 1.15.5 OF AISC SPECIFICATIONS REGARDING THE NEED FOR COLUMN STIFFENERS.
17. ALL WELDERS TO BE LICENSED BY THE CITY OF NEW YORK.
18. FOR PAINTING OF STRUCTURAL STEEL SEE SPECIFICATIONS.

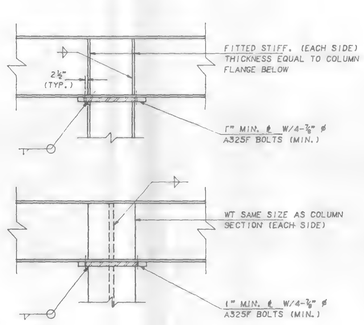
STEEL DECK NOTES:

1. STEEL DECK SHALL CONFORM TO THE CURRENT SPECIFICATIONS FOR THE DESIGN OF LIGHT GAUGE COLD FORMED STEEL STRUCTURAL MEMBERS PER AISI.
2. DECK SHALL BE ANCHORED BY WELDING THROUGH THE BOTTOM OF THE RIB TO STRUCTURAL STEEL AT MAXIMUM SPACINGS OF 12" WITH MINIMUM BEARING OR END LAP OF 2".
3. OPENING IN DECK SHALL BE TREATED AS FOLLOWS:
   A. FOR HOLES 6" OR LESS, PERPENDICULAR TO SPAN. NO REINFORCING REQUIRED.
   B. FOR HOLES OVER 6" BUT NOT MORE THAN 10". PROVIDE ONE 14 GAUGE REINFORCING PLATE 24" X 24" AND WELD IN PLACE.
   C. ALL OTHER OPENINGS TO BE FRAMED AS SHOWN ON PLAN.
4. STEEL DECK SHALL BE AS NOTED ON FRAMING PLAN.

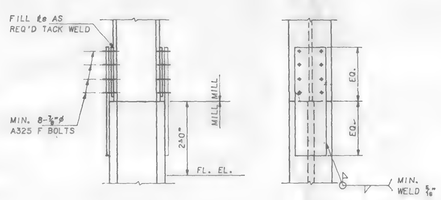
TYPICAL SHEAR CONNECTION DETAILS



TYPICAL DETAIL FOR COLUMN OR POST PICK-UP



TYPICAL DETAIL FOR BEAM OVER COLUMN



TYPICAL COLUMN SPLICE DETAIL

SUPERSTRUCTURE CONCRETE NOTES:

1. ALL CONCRETE OVER METAL DECK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS U.O.N.
2. ALL CONCRETE IS TO COMPLY WITH ALL REQUIREMENTS OF CURRENT ACI CODE AND ALL OTHER RELEVANT SECTIONS OF THE NEW YORK CITY BUILDING CODE.
   A. PRELIMINARY TESTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND THE PORT AUTHORITY FOR REVIEW. NO CONCRETE SHALL BE PLACED BEFORE SUCH REVIEW HAS BEEN COMPLETED.
   B. LABORATORY TEST REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND THE PORT AUTHORITY.
3. CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ANCHOR BOLTS, ETC., AS REQUIRED BY ALL TRADES BEFORE CONCRETE IS PLACE.
4. ALL STRUCTURAL DRAWINGS SHALL BE WORKED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND ANY DISCREPANCIES SHALL BE COORDINATED WITH THE ARCHITECT.
5. NO DEVIATION FROM THE STRUCTURAL PLANS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STRUCTURAL ENGINEER. ALL REINFORCING DETAILS TO BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL.
6. TRANSPORTING, PLACING, CURING AND DEPOSITING CONCRETE SHALL COMPLY WITH THE NEW YORK CITY BUILDING CODE AND THE ACI BUILDING CODE.

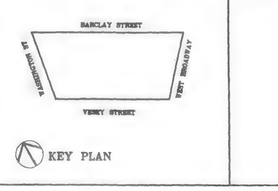
GENERAL NOTE:

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS. THIS VERIFICATION SHALL INCLUDE A SURVEY BY A LICENSED SURVEYOR AND FIELD INVESTIGATIONS TO DETERMINE THE LOCATIONS AND ELEVATIONS OF THE EXISTING STRUCTURAL STEEL. THE LOCATION AND ELEVATIONS OF EXISTING SLABS SHALL ALSO BE VERIFIED. THE CONTRACTOR SHALL SUBMIT A WRITTEN REPORT AND SURVEY TO THE ENGINEER FOR HIS REVIEW AND/OR INSTRUCTIONS OF ACTUAL FIELD CONDITIONS WHICH MAY VARY FROM INFORMATION INDICATED ON THE DRAWINGS. THESE REPORTS WILL ALSO INCLUDE EXISTING CONDITIONS NOT SHOWN ON THE DRAWINGS WHICH MAY REQUIRE A REVISION OF THE INFORMATION ON THE DRAWINGS.

STATE OF NEW YORK IRWIN G. CANTOR No. 35,561 REGISTERED PROFESSIONAL ENGINEER

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

NOTES

LEGEND

No.	Date	Revision
	6.9.95	AS BUILT - REF. REV 6/11/93
	8/23/94	ISSUED FOR TENANT ALTERATIONS
	7/22/94	RESPONSE TO P.A. COMMENTS
B	5/25/94	RESPONSE TO P.A. COMMENTS
7	4/8/94	REVISED AS CIRCLED
6	11/9/93	REVISED AS CIRCLED
5	10/6/93	CHILLED WATER LINE RELOCATION
4	6/2/93	ISSUED FOR ADDENDUM NO. 1
3	4/5/93	ISSUED FOR TENANT ALTERATIONS
2	4/6/90	REVISED AS CIRCLED
1	3/1/89	REVISED, AS CIRCLED
	11/3/88	ISSUED FOR CONST.
	12/10/86	SUBMITTED TO P.A.
	11/21/86	SUBMITTED TO P.A. FOR APPROVAL OF SIDE BLDG MODIFICATIONS
	10/31/86	SUBMITTED TO P.A. FOR APPROVAL OF SIDE BLDG MODIFICATIONS
	10/17/86	SUBMITTED TO PORT AUTHORITY, ETAL
		ADDITIONAL STRUCTURAL WORK COMPLETED

SOM

SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

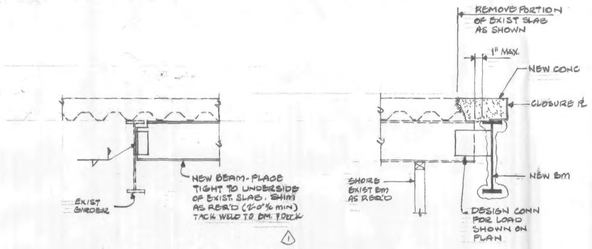
FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBER: THE CANTOR/SEINUK GROUP

TYPICAL SUPERSTRUCTURE DETAILS & GENERAL NOTES

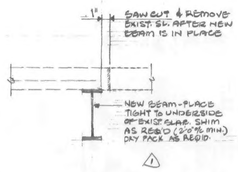
© Skidmore, Owings & Merrill 1988

Project No.:
Date:
Scale:
Sheet No. S-32

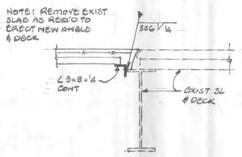


TYPICAL NEW BEAM TO EXIST. BEAM CONN. DETAIL

TYPICAL EXIST. BEAM TO NEW BEAM CONN. DETAIL

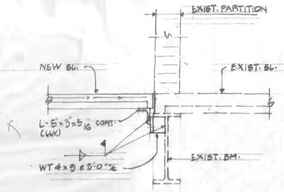


TYPICAL SLAB EDGE AT NEW OPNG. DETAIL



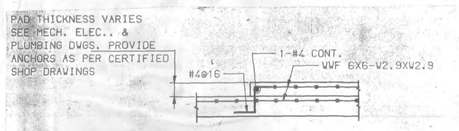
TYPICAL EXIST OPENING CLOSURE DETAIL

(FOR DECK ORIENTATION SEE PLAN)

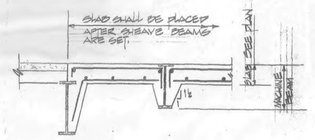


TYPICAL EXIST OPENING DETAIL WHERE EXIST PARTITIONS REMAIN

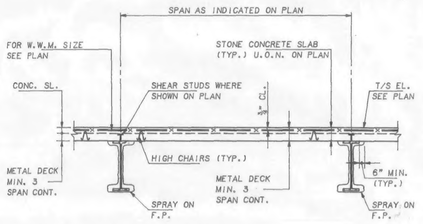
(FOR DECK ORIENTATION SEE PLAN)



TYP. DETAIL OF EQUIPMENT PAD ON SLAB

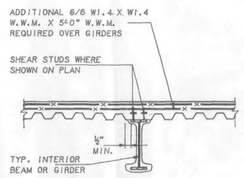


TYP. MACH. ROOM SLAB DET.

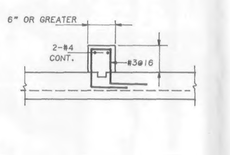


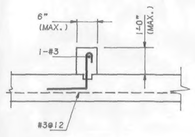
NOTE: ALL SINGLE SPAN DECK MUST BE SHORED.

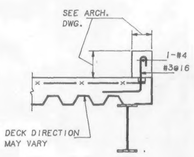
TYPICAL FLOOR DETAIL

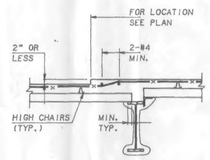


DETAILS PERPENDICULAR TO FLOOR SPAN



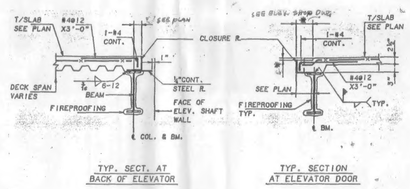






TYPICAL CONCRETE CURB DETAILS

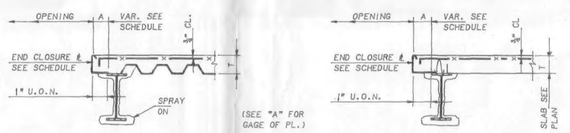
NOTE: FOR LOCATION SEE ARCH. DWGS



TYP. SECT. AT BACK OF ELEVATOR

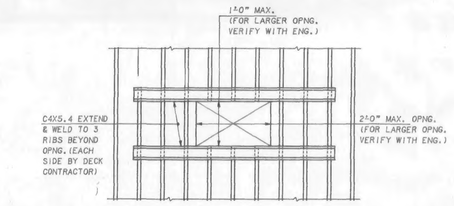
TYP. SECTION AT ELEVATOR DOOR

TYP. DROP IN SLAB DETAIL



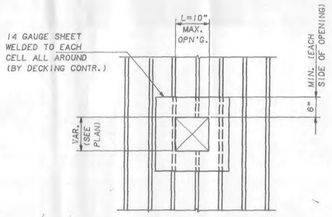
TYPICAL DETAILS OF BEAMS AT OPENING

T=5½"		T=8"		REMARKS
A	GAGE OF PLATE	A	GAGE OF PLATE	
UP TO 4"	14	UP TO 5½"	12	
4" TO 8"	12	4" TO 7"	10	
8" TO 10"	10			



NO REINF. REQUIRED FOR HOLES 6" ϕ OR LESS
PROVIDE CONCRETE STOP AT ALL OPENINGS

FOR OPENINGS TO 2'-0" PERPENDICULAR TO DECK

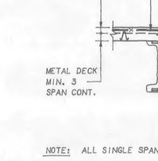


NO REINF. REQUIRED WHERE "L" IS 6" OR LESS IN DIRECTION PERPENDICULAR TO DECK

FOR OPENINGS TO 10" PERPENDICULAR TO DECK

TYPICAL FLOOR DETAILS AT OPENINGS

TYPICAL COVER PLATE REINF. DETAIL

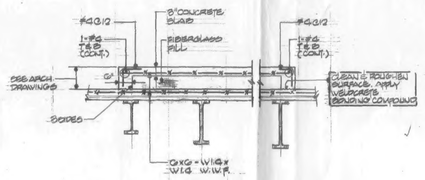


SECT 'a-a'

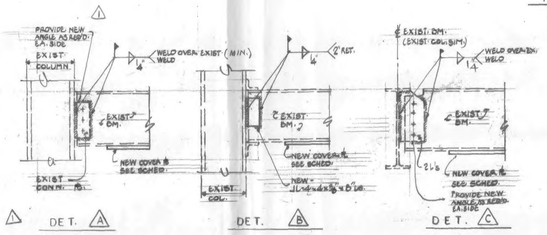
NOTES: ALL NEW PLATES TO BE A-36 (50ksi) UNLESS OTHERWISE SHOWN ON PLAN.

NEW COVER PL SCHEDULE

MARK	NOMINAL SIZE bf x tf	PLATE LENGTH O=bf x ll	WELD SIZE A	WELD SIZE B	WELD SIZE C	REMARKS
CP1	8 x 1½	2-0 x 1	1/4	G 12	1'-6"	
CP2	8 x 1⅛	2-0 x 1	1/4	G 12	1'-6"	
CP3	8 x 1	2-0 x 1	1/4	G 12	1'-6"	
CP4	8 x ⅝	—	1/4	G 12	1'-6"	
CP5	8 x ½	—	1/4	G 12	1'-6"	
CP6	8 x 1	—	1/4	G 12	1'-6"	
CP7	11 x ½	2-0 x 1	1/4	G 12	1'-10"	
CP8	8 x ½	—	1/4	G 12	1'-6"	
CP9	7 x ½	—	1/4	G 12	1'-6"	
CP10	11 x 2	2-0 x 1½	5/16	G 12	1'-10"	
CP11	12 x 1½	2-0 x 2	5/16	G 12	2'-0"	
CP12	12 x 1½	2-0 x 2	5/16	G 12	2'-0"	
CP13	6 x ⅝	—	1/4	G 12	1'-0"	
CP14	11 x ⅝	—	1/4	G 12	1'-6"	
CP15	12 x ⅝	—	1/4	G 12	2'-0"	
CP16	10 x 1	—	5/16	G 12	2'-0"	
CP17	7 x ⅝	—	1/4	G 12	1'-6"	
CP18	10 x ⅝	2-2½ x ⅝	5/16	G 12	1'-8"	
CP19	10 x ⅝	2-2½ x ⅝	5/16	G 12	1'-8"	
CP20	6 x 1	2-2½ x 1	5/16	G 12	1'-8"	
CP21	14 x ½	—	5/16	G 12	2'-4"	
CP22	14 x ⅝	2-2½ x ⅝	5/16	G 12	2'-4"	
CP23	14 x ½	—	5/16	G 12	2'-4"	
CP24	10 x 1	—	5/16	G 12	1'-8"	PL=50ksi
CP25	7 x 1	2-2 x ⅝	5/16	CONT.	1'-3"	
CP26	6 x ⅝	2-1½ x ⅜	5/16	G 12	1'-0"	
CP27	16 x 1½	2-0 x 2	5/16	G 12	2'-6"	

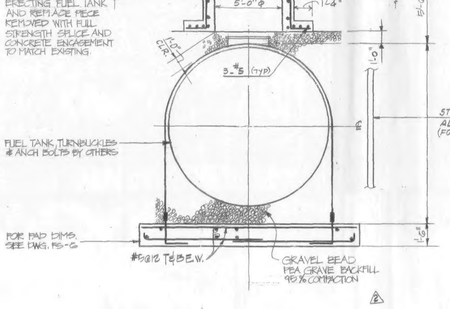


RAISED SLAB DETAIL



TYPICAL EXIST. CONNECTION REINF. DETAILS AT COVER PLATED BEAMS

1. CONNECTION REINFORCEMENT TO BE DESIGNED BASED ON LRFD HAND BOOK FOR ULTIMATE LOAD AS SHOWN ON PLAN OR MINIMUM AS SHOWN ON DETAIL.
2. ADD ADDITIONAL ANGLES OR PLATES AS REQ'D TO REINFORCE CONNECTION



TYP. SECTION @ NEW FUEL TANK

(@ 1ST. FLOOR LOADING DOCK- FOR LOCATION SEE MECH. AND ARCH. DWG'S)

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
3	6/9/00	REVISED AS CIRCLED
2	4/6/00	REVISED AS CIRCLED
1	1/31/97	REVISED AS CIRCLED
	1/9/89	ISSUED FOR CONST.
	12/22/88	SUBMITTED TO P.A.
	12/01/88	SUBMITTED TO P.A.
	11/21/88	SUBMITTED TO P.A. FOR APPROVAL OF EXIST. BLDG. MODIFICATIONS
	10/9/88	SUBMITTED TO P.A. FOR APPROVAL OF EXIST. BLDG. MODIFICATIONS
	10/17/88	SUBMITTED TO DEPT. NEATNESS FOR APPROVAL OF EXIST. BLDG. MODIFICATIONS

SOM — SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

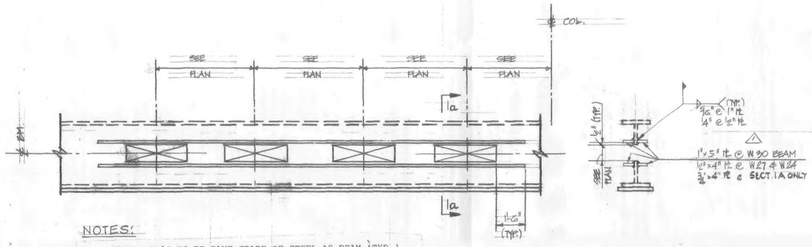
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017
MEMBERS THE STRUCTURE GROUP

TYPICAL SUPERSTRUCTURE DETAILS

© Skidmore, Owings & Merrill, 1988

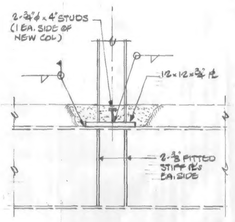
Project No.:
Date:
Scale:
Sheet No. S-33

93066

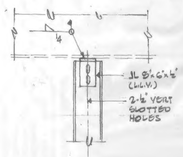


S E C T. 1

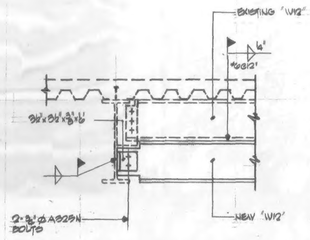
SECT. 1a



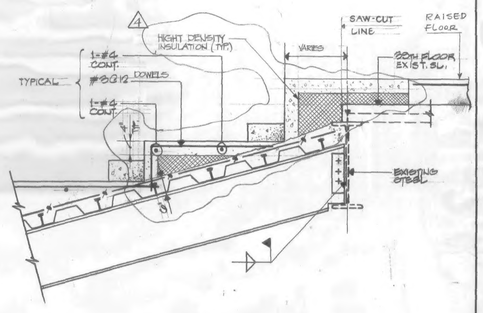
SECT. 2



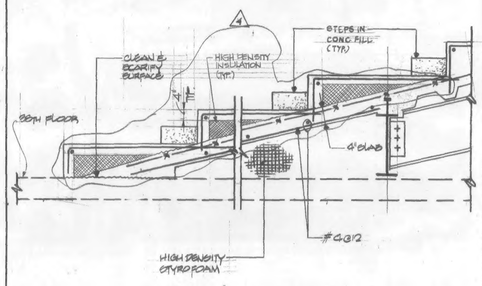
SECT. 3



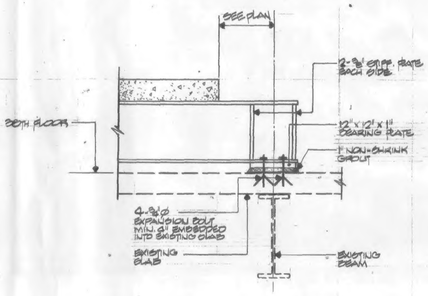
SECT. 4



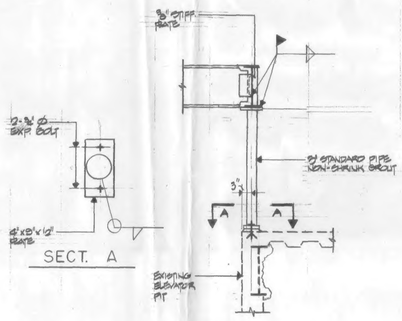
SECT. 5



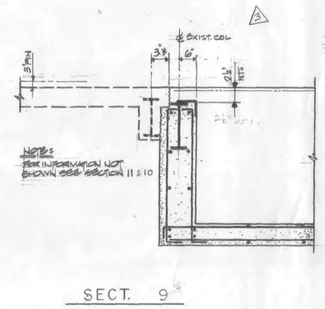
SECT. 6



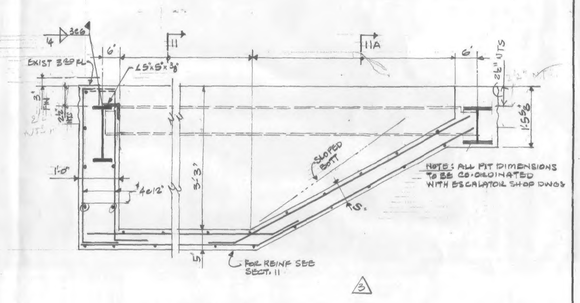
SECT. 7



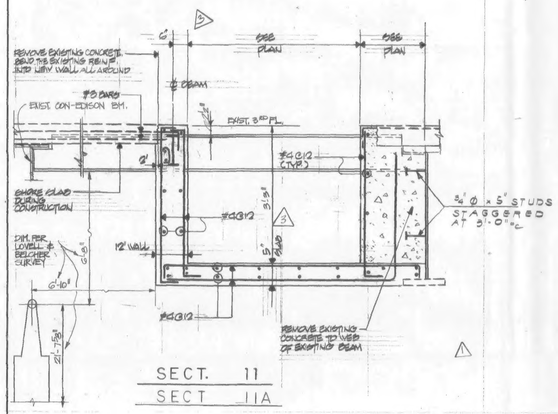
SECT. 8



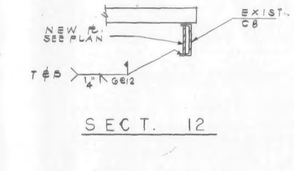
SECT. 9



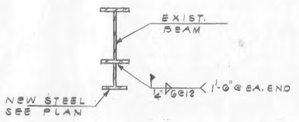
SECT. 10



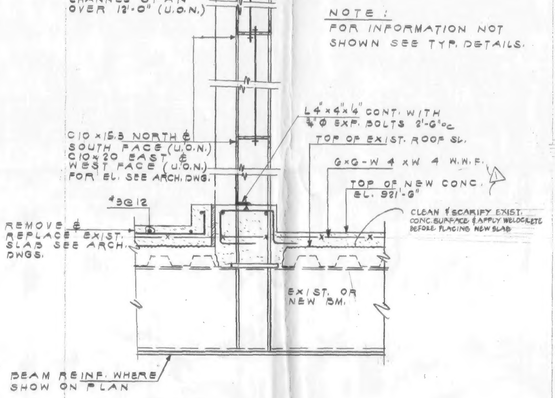
SECT. 11
SECT 11A



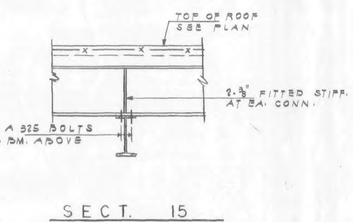
SECT. 12



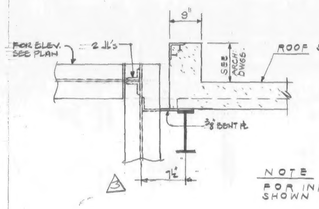
SECT. 13



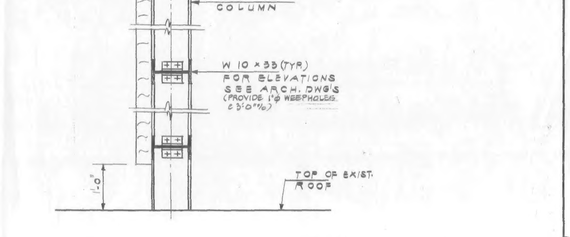
SECT. 14



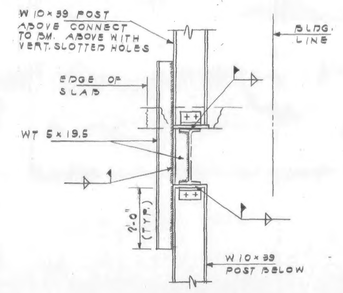
SECT. 15



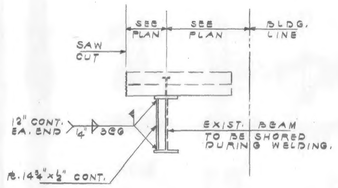
SECT 16



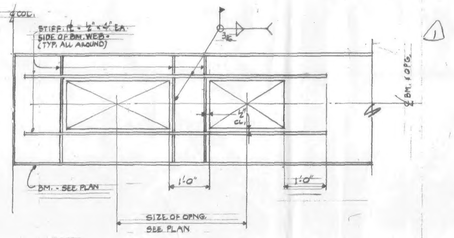
SECT. 17



SECT. 18



SECT. 19



SECT. 20
(SEE SECT. 1 FOR NOTES)

FSK-66

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
4	8-10-89	ISSUED FOR FIELD SKETCH
3	5/22/89	REVISED AS CIRCLED
2	4/6/89	REVISED AS CIRCLED
1	1/20/89	REVISED AS CIRCLED
	1/3/89	ISSUED FOR CONST.
	12/7/88	SUBMITTED TO P.A.
	11/21/88	SUBMITTED TO PORT AUTHORITY FOR APPROVAL
	10/28/88	ISSUED AS FINAL FOR BIDDING
	10/17/88	SUBMITTED TO PORT AUTHORITY FOR APPROVAL OF BASE BLDG. MODIFICATIONS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

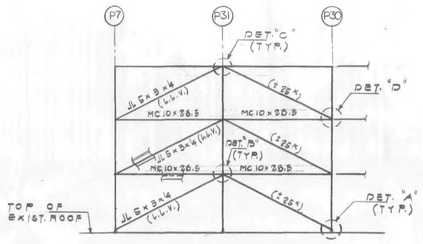
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

SUPERSTRUCTURE SECTIONS #1

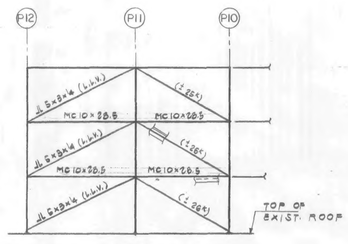
© Skidmore, Owings & Merrill, 1988

Project No.:
Date:
Scale:
Sheet No. S-34

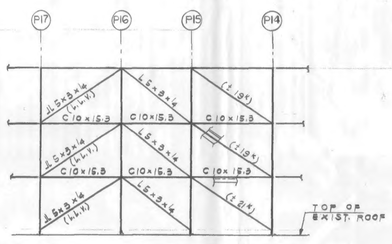
88057



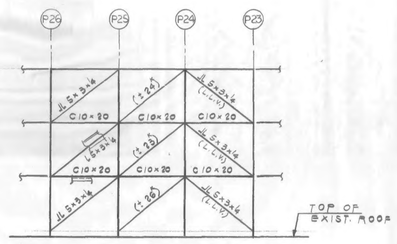
SECT. 21



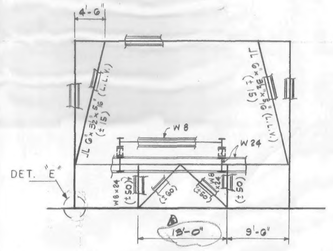
SECT. 22



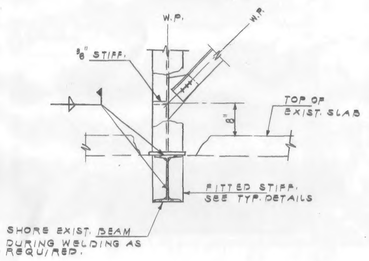
SECT. 23



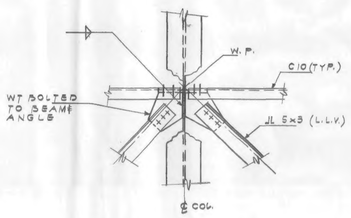
SECT. 24



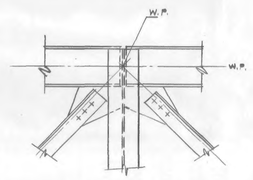
SECT. 25



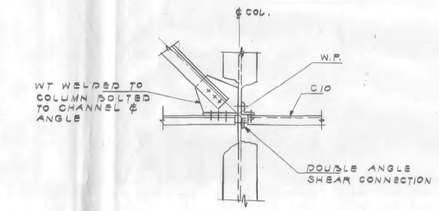
DET. "A"



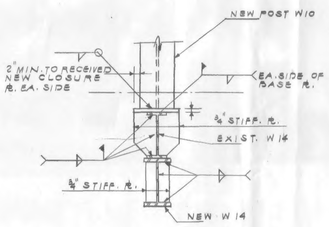
DET. "B"



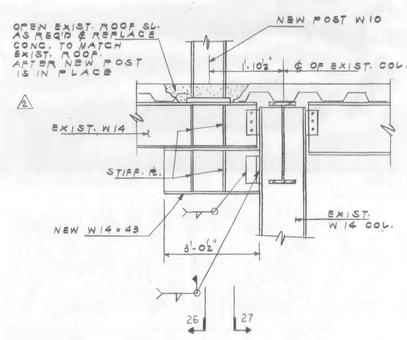
DET. "C"



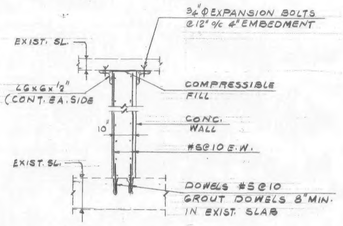
DET. "D"



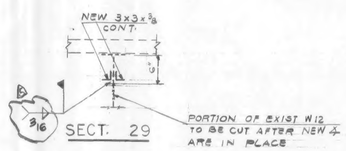
SECT. 26



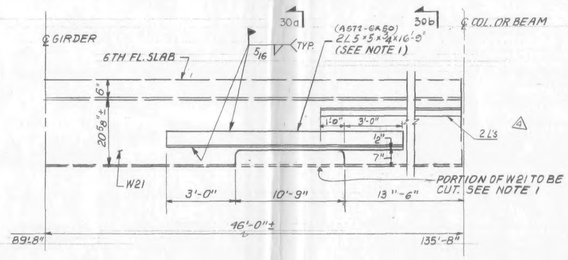
DET. "E"



SECT. 28

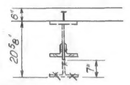


SECT. 29

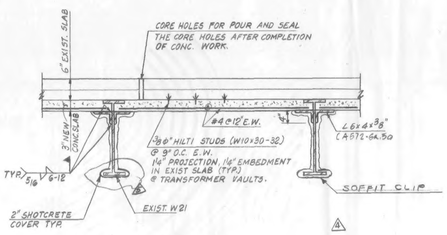


SECTION 30

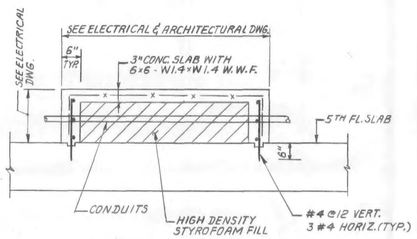
NOTE: 1. PROVIDE REINFORCEMENT BEFORE BEAM IS CUT.
2. CONTROL TEMP. BY TEMPSTICK TO 600°F AT 6" FROM EDGE OF CUT.
3. WELDING OF ANGLE BE DONE IN STAGGERED SEQUENCE (ie 50% WELDING ON ONE FACE)



SECTION 30a



SECTION 30b



SECTION 31 - 31

(DETAIL FOR RAISED PLATFORM @ TRANSFERMER VAULT)

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048

KEY PLAN

NOTES

LEGEND

No.	Date	Revision
5	5/15/89	REVISED AS CIRCLED
4	3-22-89	REVISED AS CIRCLED
3	4-6-89	REVISED AS CIRCLED
-	4-4-89	ISSUED FOR CONSTRUCTION APPROVAL
2	1/20/89	REVISED AS CIRCLED
1	1/3/89	ISSUED FOR CONST.
	11/18/88	ISSUED FOR CONSTRUCTION APPROVAL W/ COMMENTS

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10016

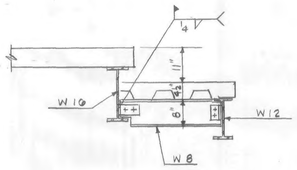
IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

SUPERSTRUCTURE SECTIONS #2

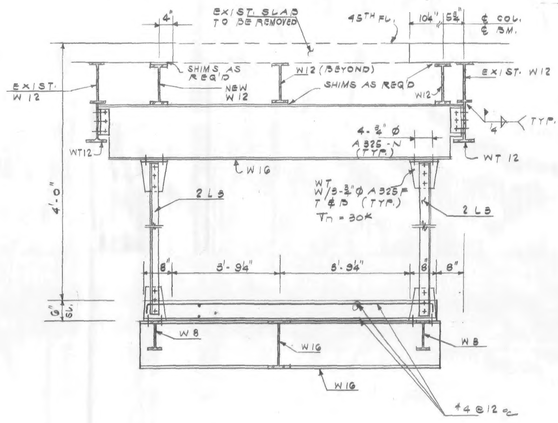
© Skidmore, Owings & Merrill, 1988

Project No:
Sheet No. S-35
Date:
Scale:

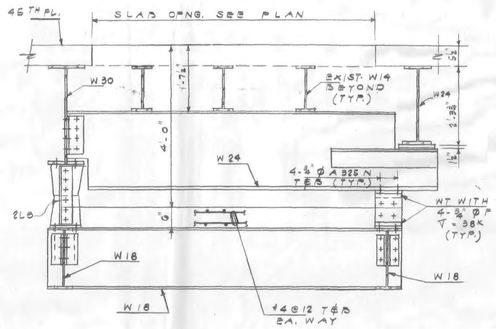
#88057



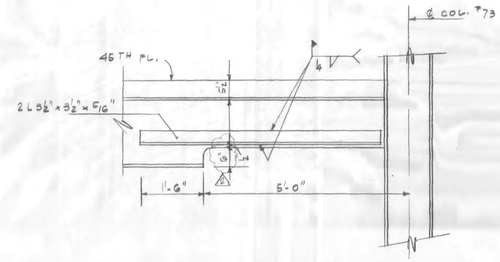
SECT. 32
(SECTION AT 41 & 43RD FL. BALCONY)



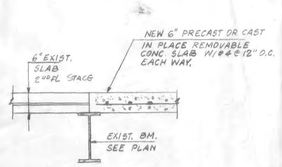
SECT. 33



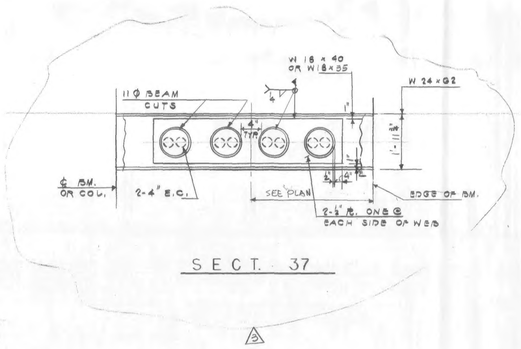
SECT. 34



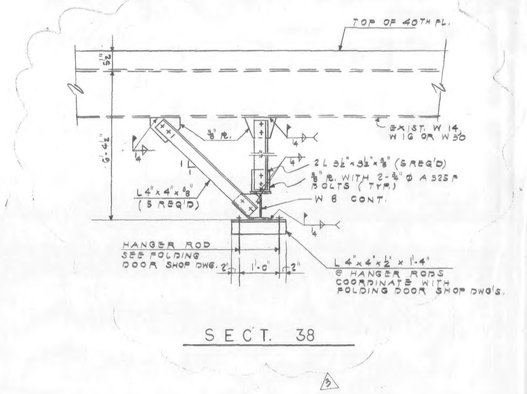
SECT. 35



SECT. 36



SECT. 37



SECT. 38

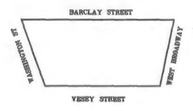
NOTES

LEGEND

No.	Date	Revision
5	9/30/80	REVISED AS CIRCLED
2	5/19/80	REVISED AS CIRCLED
1	5-28-80	REVISED AS CIRCLED
	4-6-80	

Salomon Brothers Inc

7 WORLD TRADE CENTER HEADQUARTERS
NEW YORK, NEW YORK 10048



KEY PLAN

SOM
SKIDMORE, OWINGS & MERRILL
ARCHITECTS / ENGINEERS
220 East 42nd St., New York, N.Y. 10017

FLACK AND KURTZ
Mechanical / Electrical Engineers
475 Fifth Avenue, New York, N.Y. 10018

IRWIN G. CANTOR P.C.
Structural Engineers
219 East 42nd St., New York, N.Y. 10017

SUPERSTRUCTURE SECTIONS #3

© Skidmore, Owings & Merrill, 1980

Project No.:
Sheet No. S-36
Date:
Scale:

88057